

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090623\
 Data File : VY015445.D
 Acq On : 06 Sep 2023 12:53
 Operator : SY/MD
 Sample : VY0906SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0906SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/07/2023
 Supervised By :Semsettin Yesilyurt 09/07/2023

Quant Time: Sep 06 16:27:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.777	168	175160	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	293187	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	267808	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	138538	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	93765	49.936	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.880%		
35) Dibromofluoromethane	7.710	113	84077	49.788	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.580%		
50) Toluene-d8	10.173	98	288727	47.213	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	94.420%		
62) 4-Bromofluorobenzene	12.477	95	112130	49.391	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	98.780%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	23251	15.271	ug/l	100
3) Chloromethane	2.107	50	31186	15.423	ug/l	96
4) Vinyl Chloride	2.241	62	35874	15.242	ug/l	98
5) Bromomethane	2.613	94	28008	16.724	ug/l	96
6) Chloroethane	2.772	64	25801	16.678	ug/l	99
7) Trichlorofluoromethane	3.101	101	56730	17.040	ug/l	97
8) Diethyl Ether	3.515	74	22845	20.079	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.881	101	33861	18.350	ug/l	92
10) Methyl Iodide	4.070	142	33454	15.438	ug/l	98
11) Tert butyl alcohol	4.942	59	65484	147.615	ug/l #	97
12) 1,1-Dichloroethene	3.857	96	29594	16.996	ug/l	92
13) Acrolein	3.716	56	33576	73.012	ug/l	96
14) Allyl chloride	4.460	41	53838	19.420	ug/l	96
15) Acrylonitrile	5.149	53	82193	114.803	ug/l	98
16) Acetone	3.936	43	99149	126.508	ug/l	91
17) Carbon Disulfide	4.174	76	65305	12.545	ug/l	98
18) Methyl Acetate	4.466	43	61913	21.810	ug/l	92
19) Methyl tert-butyl Ether	5.204	73	119821	21.173	ug/l	99
20) Methylene Chloride	4.692	84	53196	16.621	ug/l	93
21) trans-1,2-Dichloroethene	5.198	96	36207	18.058	ug/l	94
22) Diisopropyl ether	6.106	45	125670	20.727	ug/l	94
23) Vinyl Acetate	6.045	43	402035	105.020	ug/l	96
24) 1,1-Dichloroethane	5.997	63	70320	20.063	ug/l	98
25) 2-Butanone	6.972	43	138076	124.214	ug/l	97
26) 2,2-Dichloropropane	6.966	77	64452	21.650	ug/l	98
27) cis-1,2-Dichloroethene	6.972	96	44626	19.619	ug/l	98
28) Bromochloromethane	7.319	49	23619	21.975	ug/l	97
29) Tetrahydrofuran	7.338	42	78492	112.444	ug/l	94
30) Chloroform	7.496	83	76177	20.675	ug/l	95
31) Cyclohexane	7.771	56	52735	15.811	ug/l	95
32) 1,1,1-Trichloroethane	7.691	97	63864	19.405	ug/l	99
36) 1,1-Dichloropropene	7.905	75	51423	17.342	ug/l	99
37) Ethyl Acetate	7.063	43	49814	21.783	ug/l #	94
38) Carbon Tetrachloride	7.886	117	55157	18.011	ug/l	96
39) Methylcyclohexane	9.173	83	57614	15.434	ug/l	93
40) Benzene	8.149	78	154675	18.697	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090623\
 Data File : VY015445.D
 Acq On : 06 Sep 2023 12:53
 Operator : SY/MD
 Sample : VY0906SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0906SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/07/2023
 Supervised By :Semsettin Yesilyurt 09/07/2023

Quant Time: Sep 06 16:27:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	27340m	25.494	ug/l	
42) 1,2-Dichloroethane	8.228	62	54712	19.833	ug/l	96
43) Isopropyl Acetate	8.264	43	83534	21.124	ug/l	97
44) Trichloroethene	8.929	130	44667	19.083	ug/l	99
45) 1,2-Dichloropropane	9.209	63	41419	19.861	ug/l	99
46) Dibromomethane	9.301	93	28033	20.236	ug/l	95
47) Bromodichloromethane	9.490	83	60827	20.532	ug/l	99
48) Methyl methacrylate	9.289	41	37218	20.513	ug/l	93
49) 1,4-Dioxane	9.295	88	11288	438.689	ug/l #	60
51) 4-Methyl-2-Pentanone	10.063	43	260254	113.230	ug/l	94
52) Toluene	10.240	92	102727	19.374	ug/l	93
53) t-1,3-Dichloropropene	10.459	75	64032	20.338	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	70162	20.486	ug/l	93
55) 1,1,2-Trichloroethane	10.642	97	39268	21.038	ug/l	98
56) Ethyl methacrylate	10.508	69	58064	20.992	ug/l	90
57) 1,3-Dichloropropane	10.782	76	67258	20.933	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	112713	114.163	ug/l	96
59) 2-Hexanone	10.825	43	201584	116.884	ug/l	92
60) Dibromochloromethane	10.977	129	45514	20.833	ug/l	98
61) 1,2-Dibromoethane	11.081	107	39688	20.984	ug/l	100
64) Tetrachloroethene	10.715	164	48809	20.079	ug/l	99
65) Chlorobenzene	11.514	112	115428	20.002	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	43288	20.494	ug/l	98
67) Ethyl Benzene	11.587	91	199517	19.254	ug/l	100
68) m/p-Xylenes	11.697	106	154277	38.409	ug/l	95
69) o-Xylene	12.026	106	74638	19.444	ug/l	99
70) Styrene	12.038	104	130042	20.148	ug/l	97
71) Bromoform	12.203	173	32204	21.856	ug/l #	98
73) Isopropylbenzene	12.325	105	196218	18.856	ug/l	100
74) N-amyl acetate	12.142	43	74441	21.293	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	52052	20.954	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	44981m	24.484	ug/l	
77) Bromobenzene	12.605	156	49365	20.029	ug/l	96
78) n-propylbenzene	12.666	91	239669	19.034	ug/l	100
79) 2-Chlorotoluene	12.751	91	136855	19.378	ug/l	98
80) 1,3,5-Trimethylbenzene	12.806	105	167783	19.277	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	17298	20.770	ug/l	98
82) 4-Chlorotoluene	12.849	91	143974	19.615	ug/l	99
83) tert-Butylbenzene	13.068	119	147064	19.291	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	168898	19.544	ug/l	98
85) sec-Butylbenzene	13.251	105	216670	19.055	ug/l	100
86) p-Isopropyltoluene	13.367	119	184099	19.318	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	98670	20.279	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	98928	20.114	ug/l	98
89) n-Butylbenzene	13.690	91	174466	19.450	ug/l	98
90) Hexachloroethane	13.959	117	33744	19.798	ug/l	92
91) 1,2-Dichlorobenzene	13.733	146	91629	20.636	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	10707	21.789	ug/l	88
93) 1,2,4-Trichlorobenzene	15.001	180	60196	21.587	ug/l	98
94) Hexachlorobutadiene	15.111	225	31187	20.510	ug/l	97
95) Naphthalene	15.233	128	150559	21.796	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	54594	21.464	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090623\
Data File : VY015445.D
Acq On : 06 Sep 2023 12:53
Operator : SY/MD
Sample : VY0906SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0906SBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 09/07/2023
Supervised By :Semsettin Yesilyurt 09/07/2023

Quant Time: Sep 06 16:27:32 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
Quant Title : SW846 8260
QLast Update : Thu Aug 31 20:01:47 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

(#) = qualifier out of range (m) = manual integration (+) = signals summed

