

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092823\
 Data File : VY015745.D
 Acq On : 28 Sep 2023 14:54
 Operator : SY/MD
 Sample : VY0928SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0928SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/29/2023
 Supervised By : Mahesh Dadoda 09/29/2023

Quant Time: Sep 29 01:25:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	147540	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	247613	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	223327	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	115423	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	88912	54.771	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.540%			
35) Dibromofluoromethane	7.722	113	80577	54.369	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.740%			
50) Toluene-d8	10.185	98	293909	58.488	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 116.980%			
62) 4-Bromofluorobenzene	12.483	95	104461	52.972	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.940%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	17940	18.447	ug/l	98
3) Chloromethane	2.113	50	21838	17.799	ug/l	98
4) Vinyl Chloride	2.253	62	26089	18.598	ug/l	100
5) Bromomethane	2.656	94	19268	16.239	ug/l	91
6) Chloroethane	2.790	64	17679	17.003	ug/l	99
7) Trichlorofluoromethane	3.119	101	49442	21.016	ug/l	100
8) Diethyl Ether	3.534	74	19552	19.488	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.893	101	29284	19.880	ug/l	96
10) Methyl Iodide	4.088	142	26301	17.084	ug/l	96
11) Tert butyl alcohol	5.027	59	38624m	82.281	ug/l	
12) 1,1-Dichloroethene	3.869	96	24685	19.018	ug/l	92
13) Acrolein	3.741	56	20656	83.085	ug/l	98
14) Allyl chloride	4.479	41	45565	19.200	ug/l	95
15) Acrylonitrile	5.174	53	79972	108.661	ug/l	97
16) Acetone	3.967	43	106780	122.913	ug/l	93
17) Carbon Disulfide	4.192	76	37712	14.956	ug/l	100
18) Methyl Acetate	4.491	43	61159	20.982	ug/l	96
19) Methyl tert-butyl Ether	5.229	73	108776	20.576	ug/l	99
20) Methylene Chloride	4.716	84	56676	27.623	ug/l	92
21) trans-1,2-Dichloroethene	5.216	96	28264	19.051	ug/l	96
22) Diisopropyl ether	6.125	45	116744	20.441	ug/l	94
23) Vinyl Acetate	6.064	43	363039	102.982	ug/l	97
24) 1,1-Dichloroethane	6.021	63	62398	20.044	ug/l	98
25) 2-Butanone	6.996	43	140213	114.185	ug/l	97
26) 2,2-Dichloropropane	6.984	77	54167	19.037	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	38723	19.660	ug/l	96
28) Bromochloromethane	7.332	49	20311	24.048	ug/l	98
29) Tetrahydrofuran	7.356	42	76757	110.594	ug/l	95
30) Chloroform	7.509	83	67997	20.396	ug/l	95
31) Cyclohexane	7.783	56	40288	17.915	ug/l #	88
32) 1,1,1-Trichloroethane	7.704	97	56594	20.564	ug/l	98
36) 1,1-Dichloropropene	7.917	75	42421	19.359	ug/l	99
37) Ethyl Acetate	7.082	43	50365	23.042	ug/l	96
38) Carbon Tetrachloride	7.905	117	49325	20.737	ug/l	96
39) Methylcyclohexane	9.185	83	45092	18.604	ug/l	92
40) Benzene	8.161	78	133244	19.939	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092823\
 Data File : VY015745.D
 Acq On : 28 Sep 2023 14:54
 Operator : SY/MD
 Sample : VY0928SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0928SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/29/2023
 Supervised By : Mahesh Dadoda 09/29/2023

Quant Time: Sep 29 01:25:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	21887	18.597	ug/l	92
42) 1,2-Dichloroethane	8.240	62	46693	20.402	ug/l	95
43) Isopropyl Acetate	8.277	43	80240	21.491	ug/l	99
44) Trichloroethene	8.941	130	38556	20.657	ug/l	100
45) 1,2-Dichloropropane	9.222	63	38371	20.590	ug/l	99
46) Dibromomethane	9.307	93	24408	20.475	ug/l	96
47) Bromodichloromethane	9.496	83	55261	20.798	ug/l	99
48) Methyl methacrylate	9.295	41	33198	20.257	ug/l	89
49) 1,4-Dioxane	9.325	88	12159	516.299	ug/l #	56
51) 4-Methyl-2-Pentanone	10.075	43	262823	113.570	ug/l	93
52) Toluene	10.246	92	86534	20.086	ug/l	96
53) t-1,3-Dichloropropene	10.471	75	58454	20.515	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	60994	19.886	ug/l	91
55) 1,1,2-Trichloroethane	10.648	97	37543	21.491	ug/l	95
56) Ethyl methacrylate	10.514	69	54222	21.062	ug/l	88
57) 1,3-Dichloropropane	10.795	76	60512	20.656	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	69459	84.938	ug/l	96
59) 2-Hexanone	10.837	43	210865	118.765	ug/l	92
60) Dibromochloromethane	10.990	129	42352	20.768	ug/l	99
61) 1,2-Dibromoethane	11.093	107	35508	20.777	ug/l	99
64) Tetrachloroethene	10.721	164	41948	21.893	ug/l	96
65) Chlorobenzene	11.520	112	100279	20.571	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	40064	21.158	ug/l	98
67) Ethyl Benzene	11.593	91	175084	20.549	ug/l	98
68) m/p-Xylenes	11.709	106	133931	41.355	ug/l	96
69) o-Xylene	12.032	106	65188	20.528	ug/l	98
70) Styrene	12.044	104	112954	20.780	ug/l	96
71) Bromoform	12.209	173	30224	22.026	ug/l #	96
73) Isopropylbenzene	12.331	105	178661	20.634	ug/l	99
74) N-amyl acetate	12.148	43	70822	21.762	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.587	83	51124	21.215	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	38355m	20.829	ug/l	
77) Bromobenzene	12.611	156	43199	20.325	ug/l	91
78) n-propylbenzene	12.672	91	216979	20.627	ug/l	99
79) 2-Chlorotoluene	12.758	91	123532	20.602	ug/l	100
80) 1,3,5-Trimethylbenzene	12.819	105	149063	20.564	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	17329	21.192	ug/l	95
82) 4-Chlorotoluene	12.855	91	128518	20.532	ug/l	100
83) tert-Butylbenzene	13.081	119	131750	20.752	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	150839	20.797	ug/l	99
85) sec-Butylbenzene	13.258	105	197686	20.807	ug/l	99
86) p-Isopropyltoluene	13.373	119	164211	20.691	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	87363	20.719	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	89433	21.207	ug/l	99
89) n-Butylbenzene	13.697	91	155963	20.753	ug/l	97
90) Hexachloroethane	13.965	117	31851	20.794	ug/l	88
91) 1,2-Dichlorobenzene	13.745	146	81853	21.029	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	11316	23.644	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	52413	21.389	ug/l	99
94) Hexachlorobutadiene	15.117	225	26713	21.287	ug/l	98
95) Naphthalene	15.239	128	141830	22.197	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	48692	21.529	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092823\
Data File : VY015745.D
Acq On : 28 Sep 2023 14:54
Operator : SY/MD
Sample : VY0928SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0928SBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/29/2023
Supervised By :Mahesh Dadoda 09/29/2023

Quant Time: Sep 29 01:25:16 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 20 01:39:40 2023
Response via : Initial Calibration

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

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

