

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051923\
 Data File : VY013816.D
 Acq On : 19 May 2023 13:15
 Operator : KP/MD
 Sample : VY0519SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0519SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/22/2023
 Supervised By :Mahesh Dadoda 05/22/2023

Quant Time: May 22 04:18:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051723S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 18 06:54:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	269730	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	408779	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	365102	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	179745	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	150428	48.008	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.020%		
35) Dibromofluoromethane	7.716	113	127309	48.567	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.140%		
50) Toluene-d8	10.179	98	487267	49.032	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.060%		
62) 4-Bromofluorobenzene	12.483	95	161876	49.040	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	98.080%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	41833	21.601	ug/l	98
3) Chloromethane	2.113	50	49384	16.820	ug/l	97
4) Vinyl Chloride	2.253	62	51555	17.585	ug/l	95
5) Bromomethane	2.656	94	42326	16.281	ug/l	97
6) Chloroethane	2.796	64	34155	16.949	ug/l	98
7) Trichlorofluoromethane	3.131	101	93035	21.804	ug/l	97
8) Diethyl Ether	3.534	74	28294	19.817	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.905	101	49306	19.744	ug/l	96
10) Methyl Iodide	4.094	142	49774	18.142	ug/l	95
11) Tert butyl alcohol	4.936	59	39283	154.759	ug/l #	73
12) 1,1-Dichloroethene	3.881	96	44812	19.797	ug/l	91
13) Acrolein	3.735	56	40578	89.485	ug/l	97
14) Allyl chloride	4.485	41	80663	18.090	ug/l	99
15) Acrylonitrile	5.167	53	72232	86.268	ug/l	99
16) Acetone	3.954	43	79371	83.959	ug/l	93
17) Carbon Disulfide	4.198	76	118808	18.266	ug/l	100
18) Methyl Acetate	4.478	43	54654	16.583	ug/l	96
19) Methyl tert-butyl Ether	5.228	73	126414	18.408	ug/l	93
20) Methylene Chloride	4.716	84	68679	20.474	ug/l	94
21) trans-1,2-Dichloroethene	5.222	96	49809	19.542	ug/l	98
22) Diisopropyl ether	6.118	45	167929	17.705	ug/l	98
23) Vinyl Acetate	6.064	43	466472	84.992	ug/l	99
24) 1,1-Dichloroethane	6.021	63	97196	18.746	ug/l	99
25) 2-Butanone	6.990	43	100825	82.044	ug/l	95
26) 2,2-Dichloropropane	6.990	77	89288	20.161	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	57062	19.000	ug/l	98
28) Bromochloromethane	7.338	49	32232	17.767	ug/l	88
29) Tetrahydrofuran	7.350	42	59893	81.453	ug/l	97
30) Chloroform	7.508	83	103068	19.727	ug/l	100
31) Cyclohexane	7.783	56	79474	17.690	ug/l	94
32) 1,1,1-Trichloroethane	7.703	97	92055	20.641	ug/l	98
36) 1,1-Dichloropropene	7.917	75	70341	19.421	ug/l	98
37) Ethyl Acetate	7.076	43	42645	17.117	ug/l	99
38) Carbon Tetrachloride	7.899	117	83357	21.816	ug/l	94
39) Methylcyclohexane	9.185	83	79215	19.243	ug/l	97
40) Benzene	8.161	78	204107	19.392	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051923\
 Data File : VY013816.D
 Acq On : 19 May 2023 13:15
 Operator : KP/MD
 Sample : VY0519SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0519SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/22/2023
 Supervised By :Mahesh Dadoda 05/22/2023

Quant Time: May 22 04:18:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051723S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 18 06:54:18 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	23143	18.693	ug/l #	82
42) 1,2-Dichloroethane	8.234	62	69447	20.421	ug/l	100
43) Isopropyl Acetate	8.277	43	78978	17.466	ug/l	97
44) Trichloroethene	8.941	130	55582	20.201	ug/l	96
45) 1,2-Dichloropropane	9.215	63	53491	18.495	ug/l	100
46) Dibromomethane	9.307	93	30660	18.928	ug/l	96
47) Bromodichloromethane	9.496	83	75882	19.781	ug/l	92
48) Methyl methacrylate	9.295	41	36903	17.766	ug/l	97
49) 1,4-Dioxane	9.307	88	7030	353.618	ug/l	95
51) 4-Methyl-2-Pentanone	10.069	43	212383	84.342	ug/l	99
52) Toluene	10.246	92	129757	20.336	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	76519	19.347	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	84343	19.113	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	43011	19.523	ug/l	96
56) Ethyl methacrylate	10.508	69	52827	17.968	ug/l	97
57) 1,3-Dichloropropane	10.788	76	72311	19.079	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	100704	94.542	ug/l	96
59) 2-Hexanone	10.831	43	150744	84.218	ug/l	100
60) Dibromochloromethane	10.983	129	54567	20.441	ug/l	100
61) 1,2-Dibromoethane	11.087	107	39795	19.155	ug/l	99
64) Tetrachloroethene	10.715	164	48834	21.085	ug/l	95
65) Chlorobenzene	11.514	112	137664	19.921	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	55951	20.837	ug/l	97
67) Ethyl Benzene	11.593	91	245329	19.978	ug/l	99
68) m/p-Xylenes	11.703	106	189461	41.193	ug/l	99
69) o-Xylene	12.026	106	90006	20.572	ug/l	97
70) Styrene	12.044	104	150715	20.282	ug/l	100
71) Bromoform	12.203	173	35124	19.800	ug/l #	99
73) Isopropylbenzene	12.331	105	238157	19.571	ug/l	99
74) N-amyl acetate	12.142	43	67135	16.257	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	51314	17.801	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	36981m	17.000	ug/l	
77) Bromobenzene	12.605	156	59540	20.283	ug/l	93
78) n-propylbenzene	12.672	91	296606	19.787	ug/l	98
79) 2-Chlorotoluene	12.757	91	163975	19.383	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	201409	20.298	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	16629	17.019	ug/l	95
82) 4-Chlorotoluene	12.855	91	175742	19.942	ug/l	99
83) tert-Butylbenzene	13.074	119	174394	20.183	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	198250	20.386	ug/l	100
85) sec-Butylbenzene	13.251	105	263361	20.201	ug/l	99
86) p-Isopropyltoluene	13.367	119	217374	20.648	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	113153	19.801	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	111744	19.447	ug/l	97
89) n-Butylbenzene	13.696	91	201914	19.563	ug/l	99
90) Hexachloroethane	13.958	117	44024	19.789	ug/l	94
91) 1,2-Dichlorobenzene	13.739	146	102454	20.133	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8878	19.007	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	61294	20.298	ug/l	98
94) Hexachlorobutadiene	15.111	225	38958	20.767	ug/l	98
95) Naphthalene	15.233	128	110540	18.443	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	51837	19.079	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051923\
Data File : VY013816.D
Acq On : 19 May 2023 13:15
Operator : KP/MD
Sample : VY0519SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBSD01

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 05/22/2023
Supervised By :Mahesh Dadoda 05/22/2023

Quant Time: May 22 04:18:49 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051723S.M
Quant Title : SW846 8260
QLast Update : Thu May 18 06:54:18 2023
Response via : Initial Calibration

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

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

