

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050523\
 Data File : VY013617.D
 Acq On : 05 May 2023 12:00
 Operator : KP/MD
 Sample : VY0505SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0505SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/08/2023
 Supervised By :Mahesh Dadoda 05/08/2023

Quant Time: May 08 00:23:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	262415	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	390117	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	357590	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	189454	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	150964	52.479	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.960%			
35) Dibromofluoromethane	7.716	113	129438	52.753	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.500%			
50) Toluene-d8	10.179	98	443549	50.815	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.640%			
62) 4-Bromofluorobenzene	12.483	95	164489	55.898	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 111.800%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	59232	23.743	ug/l	100
3) Chloromethane	2.113	50	65767	19.667	ug/l	96
4) Vinyl Chloride	2.253	62	65459	19.660	ug/l	98
5) Bromomethane	2.656	94	53039	19.990	ug/l	98
6) Chloroethane	2.790	64	47442	20.625	ug/l	100
7) Trichlorofluoromethane	3.125	101	112420	22.288	ug/l	99
8) Diethyl Ether	3.527	74	37955	22.097	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.899	101	62443	22.070	ug/l	97
10) Methyl Iodide	4.088	142	66352	18.672	ug/l	99
11) Tert butyl alcohol	5.003	59	44695m	138.236	ug/l	
12) 1,1-Dichloroethene	3.869	96	58277	21.369	ug/l	96
13) Acrolein	3.735	56	28099	106.720	ug/l	92
14) Allyl chloride	4.479	41	104865	20.723	ug/l	97
15) Acrylonitrile	5.167	53	122457	127.300	ug/l	98
16) Acetone	3.954	43	136389	120.394	ug/l	98
17) Carbon Disulfide	4.192	76	172414	19.462	ug/l	97
18) Methyl Acetate	4.479	43	92735	24.785	ug/l	93
19) Methyl tert-butyl Ether	5.222	73	175655	22.310	ug/l	100
20) Methylene Chloride	4.716	84	85312	19.028	ug/l	89
21) trans-1,2-Dichloroethene	5.216	96	64719	21.704	ug/l	98
22) Diisopropyl ether	6.119	45	213596	21.595	ug/l	94
23) Vinyl Acetate	6.064	43	691319	123.446	ug/l	97
24) 1,1-Dichloroethane	6.021	63	119813	21.735	ug/l	98
25) 2-Butanone	6.990	43	180442	125.594	ug/l	94
26) 2,2-Dichloropropane	6.984	77	105636	22.239	ug/l	97
27) cis-1,2-Dichloroethene	6.990	96	70541	21.411	ug/l	94
28) Bromochloromethane	7.332	49	43978	22.481	ug/l	85
29) Tetrahydrofuran	7.356	42	113790	127.237	ug/l	94
30) Chloroform	7.508	83	126025	22.994	ug/l	95
31) Cyclohexane	7.783	56	104952	20.377	ug/l	90
32) 1,1,1-Trichloroethane	7.697	97	112498	23.002	ug/l	99
36) 1,1-Dichloropropene	7.923	75	91568	22.486	ug/l	98
37) Ethyl Acetate	7.076	43	76355	24.916	ug/l	98
38) Carbon Tetrachloride	7.899	117	103628	24.279	ug/l	98
39) Methylcyclohexane	9.185	83	105393	21.954	ug/l	96
40) Benzene	8.161	78	261047	22.757	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	33037	23.135	ug/l	89
42) 1,2-Dichloroethane	8.234	62	92492	24.663	ug/l	99
43) Isopropyl Acetate	8.271	43	127858	24.719	ug/l	97
44) Trichloroethene	8.941	130	70874	23.228	ug/l	91
45) 1,2-Dichloropropane	9.216	63	67604	22.540	ug/l	94
46) Dibromomethane	9.301	93	43178	24.061	ug/l	97
47) Bromodichloromethane	9.496	83	95796	23.856	ug/l	96
48) Methyl methacrylate	9.289	41	56821	23.919	ug/l	97
49) 1,4-Dioxane	9.319	88	14415	562.428	ug/l #	67
51) 4-Methyl-2-Pentanone	10.069	43	384669	133.457	ug/l	97
52) Toluene	10.246	92	164220	23.790	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	101067	23.782	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	109587	22.916	ug/l	92
55) 1,1,2-Trichloroethane	10.642	97	59337	24.968	ug/l	92
56) Ethyl methacrylate	10.508	69	81660	24.768	ug/l	93
57) 1,3-Dichloropropane	10.788	76	99395	24.695	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	166334	134.537	ug/l	95
59) 2-Hexanone	10.831	43	291367	139.062	ug/l	96
60) Dibromochloromethane	10.983	129	71901	24.917	ug/l	100
61) 1,2-Dibromoethane	11.087	107	58406	24.997	ug/l	97
64) Tetrachloroethene	10.721	164	63418	23.323	ug/l	96
65) Chlorobenzene	11.514	112	174548	22.408	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	69500	23.856	ug/l	100
67) Ethyl Benzene	11.593	91	310754	22.718	ug/l	100
68) m/p-Xylenes	11.703	106	241671	46.475	ug/l	99
69) o-Xylene	12.026	106	113986	23.178	ug/l	100
70) Styrene	12.044	104	192743	23.440	ug/l	99
71) Bromoform	12.209	173	53006	25.975	ug/l	100
73) Isopropylbenzene	12.331	105	302617	21.118	ug/l	98
74) N-amyl acetate	12.142	43	111920	21.948	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	79958	22.829	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	59739m	23.381	ug/l	
77) Bromobenzene	12.605	156	76170	21.938	ug/l	91
78) n-propylbenzene	12.672	91	376605	21.337	ug/l	99
79) 2-Chlorotoluene	12.758	91	211675	21.476	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	255669	21.860	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	28033	22.443	ug/l	95
82) 4-Chlorotoluene	12.855	91	222829	21.690	ug/l	97
83) tert-Butylbenzene	13.075	119	218134	21.527	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	252140	22.174	ug/l	100
85) sec-Butylbenzene	13.251	105	329187	21.646	ug/l	99
86) p-Isopropyltoluene	13.367	119	273409	22.357	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	150015	22.678	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	150417	22.510	ug/l	99
89) n-Butylbenzene	13.696	91	262055	21.955	ug/l	98
90) Hexachloroethane	13.959	117	55591	21.598	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	136048	22.775	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	15154	24.498	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	86875	24.393	ug/l	98
94) Hexachlorobutadiene	15.111	225	54151	26.126	ug/l	99
95) Naphthalene	15.233	128	189634	24.541	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	81672	25.729	ug/l	99

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

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