

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050823\
 Data File : VY013642.D
 Acq On : 08 May 2023 12:29
 Operator : KP/MD
 Sample : VY0508SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0508SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/09/2023
 Supervised By :Mahesh Dadoda 05/09/2023

Quant Time: May 08 14:43:45 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	247003	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	371299	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	337310	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	181934	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	146669	54.167	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.340%			
35) Dibromofluoromethane	7.716	113	128150	54.875	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.760%			
50) Toluene-d8	10.179	98	434620	52.316	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.640%			
62) 4-Bromofluorobenzene	12.483	95	160922	57.458	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 114.920%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	52927	22.539	ug/l	99
3) Chloromethane	2.113	50	63024	20.023	ug/l	99
4) Vinyl Chloride	2.247	62	61332	19.570	ug/l	99
5) Bromomethane	2.650	94	50623	20.269	ug/l	100
6) Chloroethane	2.790	64	40827	18.857	ug/l	96
7) Trichlorofluoromethane	3.125	101	106216	22.372	ug/l	98
8) Diethyl Ether	3.521	74	34977	21.634	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.899	101	56453	21.198	ug/l	98
10) Methyl Iodide	4.088	142	64375	19.246	ug/l	99
11) Tert butyl alcohol	4.979	59	31791	104.619	ug/l #	97
12) 1,1-Dichloroethene	3.869	96	52951	20.627	ug/l	93
13) Acrolein	3.729	56	23426	93.474	ug/l	100
14) Allyl chloride	4.479	41	95791	20.111	ug/l	97
15) Acrylonitrile	5.161	53	100603	111.107	ug/l	99
16) Acetone	3.948	43	114533	107.410	ug/l	98
17) Carbon Disulfide	4.192	76	160091	19.199	ug/l	99
18) Methyl Acetate	4.473	43	73431	20.850	ug/l	97
19) Methyl tert-butyl Ether	5.216	73	160981	21.722	ug/l	98
20) Methylene Chloride	4.710	84	96826	24.929	ug/l	91
21) trans-1,2-Dichloroethene	5.216	96	59357	21.148	ug/l	96
22) Diisopropyl ether	6.119	45	200300	21.514	ug/l	97
23) Vinyl Acetate	6.058	43	609608	115.647	ug/l	97
24) 1,1-Dichloroethane	6.009	63	112599	21.700	ug/l	99
25) 2-Butanone	6.984	43	147694	109.215	ug/l	96
26) 2,2-Dichloropropane	6.978	77	101046	22.600	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	68245	22.007	ug/l	96
28) Bromochloromethane	7.332	49	40817	22.168	ug/l	87
29) Tetrahydrofuran	7.350	42	88103	104.661	ug/l	93
30) Chloroform	7.502	83	119244	23.114	ug/l	93
31) Cyclohexane	7.783	56	92392	19.058	ug/l	95
32) 1,1,1-Trichloroethane	7.698	97	106071	23.041	ug/l	98
36) 1,1-Dichloropropene	7.917	75	84426	21.783	ug/l	98
37) Ethyl Acetate	7.076	43	61866	21.211	ug/l	98
38) Carbon Tetrachloride	7.899	117	98889	24.343	ug/l	93
39) Methylcyclohexane	9.185	83	93882	20.547	ug/l	97
40) Benzene	8.155	78	251194	23.008	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	31055	22.849	ug/l	97
42) 1,2-Dichloroethane	8.234	62	87178	24.424	ug/l	99
43) Isopropyl Acetate	8.271	43	108800	22.100	ug/l #	87
44) Trichloroethene	8.941	130	67506	23.245	ug/l	96
45) 1,2-Dichloropropane	9.216	63	64927	22.745	ug/l	95
46) Dibromomethane	9.307	93	40409	23.659	ug/l	96
47) Bromodichloromethane	9.496	83	90499	23.679	ug/l	98
48) Methyl methacrylate	9.289	41	47419	20.973	ug/l	95
49) 1,4-Dioxane	9.313	88	10901	446.879	ug/l	89
51) 4-Methyl-2-Pentanone	10.069	43	309752	112.912	ug/l	97
52) Toluene	10.240	92	156083	23.757	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	96186	23.780	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	104023	22.855	ug/l	92
55) 1,1,2-Trichloroethane	10.642	97	54042	23.893	ug/l	97
56) Ethyl methacrylate	10.508	69	71891	22.910	ug/l	92
57) 1,3-Dichloropropane	10.788	76	90886	23.726	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	145560	123.701	ug/l	96
59) 2-Hexanone	10.831	43	229441	115.056	ug/l	98
60) Dibromochloromethane	10.984	129	67769	24.675	ug/l	99
61) 1,2-Dibromoethane	11.087	107	52062	23.411	ug/l	100
64) Tetrachloroethene	10.721	164	59005	23.005	ug/l	94
65) Chlorobenzene	11.514	112	166437	22.651	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	67348	24.507	ug/l	98
67) Ethyl Benzene	11.593	91	294615	22.833	ug/l	100
68) m/p-Xylenes	11.703	106	229420	46.772	ug/l	98
69) o-Xylene	12.026	106	108592	23.409	ug/l	98
70) Styrene	12.044	104	186684	24.068	ug/l	99
71) Bromoform	12.209	173	48021	24.947	ug/l #	100
73) Isopropylbenzene	12.331	105	285163	20.723	ug/l	98
74) N-amyl acetate	12.142	43	97469	19.904	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	70799	21.049	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	51774m	21.101	ug/l	
77) Bromobenzene	12.605	156	72716	21.808	ug/l	94
78) n-propylbenzene	12.672	91	358573	21.155	ug/l	97
79) 2-Chlorotoluene	12.758	91	198480	20.970	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	243221	21.655	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	24474	20.404	ug/l	96
82) 4-Chlorotoluene	12.855	91	212901	21.581	ug/l	98
83) tert-Butylbenzene	13.075	119	208292	21.406	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	242142	22.175	ug/l	99
85) sec-Butylbenzene	13.251	105	310042	21.230	ug/l	100
86) p-Isopropyltoluene	13.367	119	259719	22.115	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	143985	22.666	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	144019	22.444	ug/l	100
89) n-Butylbenzene	13.696	91	247038	21.552	ug/l	98
90) Hexachloroethane	13.959	117	52854	21.384	ug/l	95
91) 1,2-Dichlorobenzene	13.739	146	132320	23.067	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	13322	22.426	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	82568	24.142	ug/l	98
94) Hexachlorobutadiene	15.111	225	51711	25.980	ug/l	99
95) Naphthalene	15.233	128	168768	22.743	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	77208	25.328	ug/l	99

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

