

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051724\
 Data File : VY018303.D
 Acq On : 17 May 2024 13:11
 Operator : SY/MD
 Sample : VY0517SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0517SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/20/2024
 Supervised By :Semsettin Yesilyurt 05/20/2024

Quant Time: May 18 00:47:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 08 01:40:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	171736	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	297337	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	256756	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	116636	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	75491	59.752	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 119.500%			
35) Dibromofluoromethane	7.710	113	84844	54.295	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.600%			
50) Toluene-d8	10.179	98	325774	52.904	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.800%			
62) 4-Bromofluorobenzene	12.477	95	102710	51.649	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.300%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	29253	21.479	ug/l	99
3) Chloromethane	2.107	50	43990	24.129	ug/l	98
4) Vinyl Chloride	2.247	62	52791	23.887	ug/l	100
5) Bromomethane	2.637	94	35860	23.364	ug/l	97
6) Chloroethane	2.784	64	34105	24.316	ug/l	94
7) Trichlorofluoromethane	3.113	101	55085	21.279	ug/l	95
8) Diethyl Ether	3.515	74	19055	22.360	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.893	101	34676	21.018	ug/l	96
10) Methyl Iodide	4.082	142	37686	19.562	ug/l	98
11) Tert butyl alcohol	4.930	59	18546	162.891	ug/l #	89
12) 1,1-Dichloroethene	3.863	96	34841	20.978	ug/l	98
13) Acrolein	3.716	56	16993	135.560	ug/l	91
14) Allyl chloride	4.466	41	48201	22.813	ug/l	98
15) Acrylonitrile	5.155	53	40212	122.703	ug/l	99
16) Acetone	3.936	43	30594	121.344	ug/l	96
17) Carbon Disulfide	4.186	76	103233	22.832	ug/l	100
18) Methyl Acetate	4.472	43	18250	25.411	ug/l	99
19) Methyl tert-butyl Ether	5.210	73	84569	22.859	ug/l	96
20) Methylene Chloride	4.710	84	43289	24.291	ug/l	92
21) trans-1,2-Dichloroethene	5.216	96	38074	21.627	ug/l	89
22) Diisopropyl ether	6.112	45	98392	21.953	ug/l	96
23) Vinyl Acetate	6.051	43	317792	116.657	ug/l	97
24) 1,1-Dichloroethane	6.009	63	62459	22.626	ug/l	98
25) 2-Butanone	6.978	43	49192	122.058	ug/l	90
26) 2,2-Dichloropropane	6.972	77	52382	20.965	ug/l	97
27) cis-1,2-Dichloroethene	6.978	96	44317	21.301	ug/l	98
28) Bromochloromethane	7.326	49	20750	18.806	ug/l	93
29) Tetrahydrofuran	7.344	42	31687	119.110	ug/l	95
30) Chloroform	7.496	83	62892	21.823	ug/l	98
31) Cyclohexane	7.777	56	58227	22.505	ug/l	99
32) 1,1,1-Trichloroethane	7.691	97	54819	21.223	ug/l	97
36) 1,1-Dichloropropene	7.911	75	47891	21.378	ug/l	99
37) Ethyl Acetate	7.069	43	22266	23.615	ug/l #	94
38) Carbon Tetrachloride	7.893	117	47350	19.344	ug/l	99
39) Methylcyclohexane	9.179	83	66351	20.531	ug/l	99
40) Benzene	8.155	78	148246	20.573	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.295	41	13420m	24.648	ug/l	
42) 1,2-Dichloroethane	8.228	62	35118	22.399	ug/l	98
43) Isopropyl Acetate	8.270	43	43795	22.661	ug/l	93
44) Trichloroethene	8.935	130	39067	19.916	ug/l	98
45) 1,2-Dichloropropane	9.209	63	32719	20.769	ug/l	98
46) Dibromomethane	9.301	93	18867	20.833	ug/l	99
47) Bromodichloromethane	9.496	83	45572	20.355	ug/l	97
48) Methyl methacrylate	9.289	41	19832	22.390	ug/l	93
49) 1,4-Dioxane	9.289	88	5253	436.975	ug/l #	20
51) 4-Methyl-2-Pentanone	10.069	43	109830	113.070	ug/l	95
52) Toluene	10.240	92	94158	20.298	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	42484	20.315	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	52930	20.705	ug/l	93
55) 1,1,2-Trichloroethane	10.642	97	25742	20.691	ug/l	91
56) Ethyl methacrylate	10.508	69	35873	21.231	ug/l	89
57) 1,3-Dichloropropane	10.788	76	44797	22.124	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	79837	98.953	ug/l	97
59) 2-Hexanone	10.831	43	75641	111.372	ug/l	93
60) Dibromochloromethane	10.983	129	31331	19.411	ug/l	98
61) 1,2-Dibromoethane	11.087	107	24037	20.513	ug/l	99
64) Tetrachloroethene	10.721	164	35398	20.707	ug/l	99
65) Chlorobenzene	11.514	112	101222	19.357	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.587	131	32937	19.472	ug/l	99
67) Ethyl Benzene	11.593	91	175321	19.857	ug/l	96
68) m/p-Xylenes	11.703	106	138208	39.583	ug/l	97
69) o-Xylene	12.026	106	66923	19.973	ug/l	96
70) Styrene	12.044	104	109128	19.502	ug/l	99
71) Bromoform	12.209	173	17672	18.882	ug/l #	99
73) Isopropylbenzene	12.331	105	169721	19.408	ug/l	99
74) N-amyl acetate	12.142	43	37992	20.928	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.581	83	28918	20.730	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	19822m	21.232	ug/l	
77) Bromobenzene	12.611	156	38903	19.365	ug/l	97
78) n-propylbenzene	12.672	91	203837	20.040	ug/l	99
79) 2-Chlorotoluene	12.757	91	108673	19.226	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	135696	19.679	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	8270	17.067	ug/l	91
82) 4-Chlorotoluene	12.855	91	111369	19.616	ug/l	98
83) tert-Butylbenzene	13.074	119	124597	19.590	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	132175	19.568	ug/l	99
85) sec-Butylbenzene	13.251	105	184143	19.737	ug/l	99
86) p-Isopropyltoluene	13.367	119	149420	19.468	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	75384	19.430	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	75236	19.892	ug/l	98
89) n-Butylbenzene	13.696	91	138855	19.991	ug/l	99
90) Hexachloroethane	13.958	117	26459	17.572	ug/l	95
91) 1,2-Dichlorobenzene	13.739	146	67187	20.148	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4135	21.769	ug/l	90
93) 1,2,4-Trichlorobenzene	15.007	180	36563	19.503	ug/l	99
94) Hexachlorobutadiene	15.111	225	19379	18.735	ug/l	95
95) Naphthalene	15.233	128	68415	19.916	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	30889	20.077	ug/l	98

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

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