

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012224\
 Data File : VY017067.D
 Acq On : 22 Jan 2024 11:19
 Operator : SY/MD
 Sample : VY0122SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0122SBS01

Quant Time: Jan 23 01:42:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 02 14:25:32 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/23/2024
 Supervised By :Semsettin Yesilyurt 01/23/2024

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

Internal Standards						
1) Pentafluorobenzene	7.819	168	149327	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.722	114	249689	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.514	117	211947	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.447	152	92415	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.173	65	66136	44.811	ug/l	0.02
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.620%		
35) Dibromofluoromethane	7.752	113	74768	46.991	ug/l	0.02
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.980%		
50) Toluene-d8	10.203	98	249817	45.595	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery =	91.200%		
62) 4-Bromofluorobenzene	12.502	95	85816	46.423	ug/l	0.01
Spiked Amount 50.000	Range 30 - 143		Recovery =	92.840%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.924	85	20610	16.290	ug/l	97
3) Chloromethane	2.131	50	26364	15.029	ug/l	100
4) Vinyl Chloride	2.272	62	33442	16.162	ug/l	98
5) Bromomethane	2.668	94	26904	18.150	ug/l	99
6) Chloroethane	2.820	64	23980	17.133	ug/l	99
7) Trichlorofluoromethane	3.156	101	48590	19.059	ug/l	97
8) Diethyl Ether	3.558	74	15076	18.504	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.936	101	32641	19.691	ug/l	98
10) Methyl Iodide	4.131	142	21608	15.322	ug/l	99
11) Tert butyl alcohol	4.991	59	13522	106.941	ug/l #	86
12) 1,1-Dichloroethene	3.906	96	25444	17.890	ug/l	98
13) Acrolein	3.759	56	14980	87.976	ug/l	97
14) Allyl chloride	4.521	41	40058	17.816	ug/l	100
15) Acrylonitrile	5.204	53	38224	100.299	ug/l	98
16) Acetone	3.979	43	49563	124.099	ug/l	99
17) Carbon Disulfide	4.235	76	44195	13.005	ug/l	99
18) Methyl Acetate	4.515	43	27410	17.335	ug/l	99
19) Methyl tert-butyl Ether	5.265	73	74557	20.149	ug/l	98
20) Methylene Chloride	4.759	84	34683	12.499	ug/l	99
21) trans-1,2-Dichloroethene	5.259	96	28161	17.288	ug/l	98
22) Diisopropyl ether	6.161	45	104603	20.123	ug/l	97
23) Vinyl Acetate	6.100	43	241296	101.235	ug/l	99
24) 1,1-Dichloroethane	6.058	63	60598	19.399	ug/l	99
25) 2-Butanone	7.027	43	60170	114.198	ug/l	98
26) 2,2-Dichloropropane	7.015	77	52843	19.510	ug/l	99
27) cis-1,2-Dichloroethene	7.021	96	36712	19.226	ug/l	97
28) Bromochloromethane	7.368	49	20207	17.231	ug/l	99
29) Tetrahydrofuran	7.393	42	28923	96.825	ug/l	99
30) Chloroform	7.539	83	64206	19.945	ug/l	97
31) Cyclohexane	7.819	56	43770	17.279	ug/l	97
32) 1,1,1-Trichloroethane	7.740	97	53163	19.477	ug/l	99
36) 1,1-Dichloropropene	7.954	75	43223	18.640	ug/l	100
37) Ethyl Acetate	7.112	43	21487	20.391	ug/l	98
38) Carbon Tetrachloride	7.935	117	46715	19.829	ug/l	98
39) Methylcyclohexane	9.216	83	46775	17.944	ug/l	95
40) Benzene	8.191	78	130705	18.790	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.344	41	10930	19.694	ug/l #	85
42) 1,2-Dichloroethane	8.271	62	35685	19.324	ug/l	99
43) Isopropyl Acetate	8.301	43	39695	19.671	ug/l	97
44) Trichloroethene	8.972	130	34170	19.305	ug/l	93
45) 1,2-Dichloropropane	9.246	63	34601	19.308	ug/l	96
46) Dibromomethane	9.337	93	17714	19.382	ug/l	100
47) Bromodichloromethane	9.526	83	48718	19.851	ug/l	97
48) Methyl methacrylate	9.319	41	20836	19.133	ug/l	95
49) 1,4-Dioxane	9.331	88	3979	420.475	ug/l	97
51) 4-Methyl-2-Pentanone	10.093	43	111184	103.603	ug/l	99
52) Toluene	10.270	92	82206	19.582	ug/l	100
53) t-1,3-Dichloropropene	10.490	75	42891	19.511	ug/l	97
54) cis-1,3-Dichloropropene	9.953	75	51673	19.573	ug/l	99
55) 1,1,2-Trichloroethane	10.667	97	27384	20.509	ug/l	99
56) Ethyl methacrylate	10.532	69	22578	19.964	ug/l	98
57) 1,3-Dichloropropane	10.813	76	44370	19.904	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.807	63	50860	83.921	ug/l	100
59) 2-Hexanone	10.856	43	86615	109.610	ug/l	100
60) Dibromochloromethane	11.008	129	31811	20.660	ug/l	97
61) 1,2-Dibromoethane	11.112	107	23445	20.210	ug/l	98
64) Tetrachloroethene	10.746	164	27066	19.697	ug/l	98
65) Chlorobenzene	11.538	112	88786	20.109	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.611	131	34388	20.488	ug/l	98
67) Ethyl Benzene	11.618	91	160883	20.240	ug/l	100
68) m/p-Xylenes	11.721	106	118650	40.665	ug/l	100
69) o-Xylene	12.050	106	54684	19.992	ug/l	98
70) Styrene	12.069	104	82268	20.665	ug/l	99
71) Bromoform	12.233	173	16888	20.439	ug/l #	95
73) Isopropylbenzene	12.349	105	157356	20.851	ug/l	99
74) N-amyl acetate	12.166	43	32024	21.121	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.605	83	31204	20.293	ug/l	99
76) 1,2,3-Trichloropropane	12.654	75	18971m	18.917	ug/l	
77) Bromobenzene	12.630	156	33188	19.974	ug/l	99
78) n-propylbenzene	12.691	91	193284	21.067	ug/l	100
79) 2-Chlorotoluene	12.776	91	103951	20.433	ug/l	100
80) 1,3,5-Trimethylbenzene	12.831	105	125370	21.005	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.398	75	8594	19.459	ug/l	99
82) 4-Chlorotoluene	12.873	91	107489	20.681	ug/l	100
83) tert-Butylbenzene	13.099	119	113554	21.601	ug/l	100
84) 1,2,4-Trimethylbenzene	13.142	105	124836	21.239	ug/l	98
85) sec-Butylbenzene	13.276	105	167997	21.567	ug/l	100
86) p-Isopropyltoluene	13.392	119	138887	21.604	ug/l	99
87) 1,3-Dichlorobenzene	13.386	146	66735	20.479	ug/l	99
88) 1,4-Dichlorobenzene	13.465	146	66380	20.827	ug/l	99
89) n-Butylbenzene	13.715	91	136082	22.016	ug/l	99
90) Hexachloroethane	13.983	117	28744	20.808	ug/l	99
91) 1,2-Dichlorobenzene	13.764	146	58572	20.799	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.379	75	3774	19.573	ug/l	99
93) 1,2,4-Trichlorobenzene	15.032	180	30259	21.638	ug/l	99
94) Hexachlorobutadiene	15.129	225	19203	21.920	ug/l	99
95) Naphthalene	15.257	128	49295	21.005	ug/l	98
96) 1,2,3-Trichlorobenzene	15.446	180	25039	21.087	ug/l	99

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

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