

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031924\
 Data File : VY017707.D
 Acq On : 19 Mar 2024 12:58
 Operator : SY/MD
 Sample : VY0319SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0319SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/20/2024
 Supervised By :Semsettin Yesilyurt 03/20/2024

Quant Time: Mar 19 14:57:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 24 04:41:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	150474	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.710	114	242039	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.508	117	216731	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.440	152	100871	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	63889	44.800	ug/l	0.02
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.600%		
35) Dibromofluoromethane	7.734	113	74703	44.292	ug/l	0.02
Spiked Amount 50.000	Range 54 - 147		Recovery =	88.580%		
50) Toluene-d8	10.197	98	285613	48.434	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.860%		
62) 4-Bromofluorobenzene	12.495	95	86447	46.646	ug/l	0.01
Spiked Amount 50.000	Range 30 - 143		Recovery =	93.300%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.912	85	18091	16.298	ug/l	98
3) Chloromethane	2.125	50	31609	15.586	ug/l	99
4) Vinyl Chloride	2.259	62	40343	15.506	ug/l	97
5) Bromomethane	2.662	94	36374	17.155	ug/l	99
6) Chloroethane	2.808	64	28533	17.384	ug/l	99
7) Trichlorofluoromethane	3.143	101	42778	16.132	ug/l	99
8) Diethyl Ether	3.540	74	13933	17.914	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.918	101	27132	17.788	ug/l	95
10) Methyl Iodide	4.113	142	31064	18.147	ug/l	100
11) Tert butyl alcohol	4.972	59	8570	70.746	ug/l #	83
12) 1,1-Dichloroethene	3.893	96	25683	18.068	ug/l	98
13) Acrolein	3.747	56	11720	73.325	ug/l	99
14) Allyl chloride	4.503	41	29436	17.138	ug/l	96
15) Acrylonitrile	5.180	53	29393	91.933	ug/l	98
16) Acetone	3.960	43	27901	100.870	ug/l	94
17) Carbon Disulfide	4.216	76	72635	17.024	ug/l	98
18) Methyl Acetate	4.497	43	10857	16.179	ug/l	96
19) Methyl tert-butyl Ether	5.247	73	58734	17.727	ug/l	98
20) Methylene Chloride	4.741	84	37238	19.582	ug/l	92
21) trans-1,2-Dichloroethene	5.247	96	30068	18.066	ug/l	97
22) Diisopropyl ether	6.143	45	74076	18.690	ug/l	93
23) Vinyl Acetate	6.082	43	216243	91.560	ug/l	98
24) 1,1-Dichloroethane	6.039	63	50443	18.629	ug/l	98
25) 2-Butanone	7.003	43	36750	93.228	ug/l	98
26) 2,2-Dichloropropane	7.003	77	41795	18.359	ug/l	97
27) cis-1,2-Dichloroethene	7.009	96	35240	18.858	ug/l	96
28) Bromochloromethane	7.356	49	17930	16.814	ug/l	92
29) Tetrahydrofuran	7.368	42	20435	85.997	ug/l	98
30) Chloroform	7.527	83	55728	19.331	ug/l	99
31) Cyclohexane	7.807	56	39789	17.144	ug/l	93
32) 1,1,1-Trichloroethane	7.722	97	46654	18.640	ug/l	99
36) 1,1-Dichloropropene	7.935	75	39786	17.484	ug/l	99
37) Ethyl Acetate	7.094	43	14863	16.537	ug/l #	94
38) Carbon Tetrachloride	7.923	117	40999	17.977	ug/l	99
39) Methylcyclohexane	9.203	83	45453	16.620	ug/l	98
40) Benzene	8.179	78	124031	18.353	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	7786m	17.263	ug/l	
42) 1,2-Dichloroethane	8.252	62	30387	18.429	ug/l	98
43) Isopropyl Acetate	8.289	43	27132	17.179	ug/l	98
44) Trichloroethene	8.959	130	35255	18.100	ug/l	98
45) 1,2-Dichloropropane	9.234	63	28964	18.015	ug/l	98
46) Dibromomethane	9.325	93	17158	18.647	ug/l	97
47) Bromodichloromethane	9.514	83	41214	18.447	ug/l	99
48) Methyl methacrylate	9.307	41	12457	17.040	ug/l	96
49) 1,4-Dioxane	9.319	88	3339	320.641	ug/l #	99
51) 4-Methyl-2-Pentanone	10.087	43	75409	85.669	ug/l	99
52) Toluene	10.264	92	78244	18.366	ug/l	100
53) t-1,3-Dichloropropene	10.484	75	36898	17.793	ug/l	96
54) cis-1,3-Dichloropropene	9.947	75	45893	18.213	ug/l	96
55) 1,1,2-Trichloroethane	10.660	97	23394	17.907	ug/l	96
56) Ethyl methacrylate	10.526	69	24781	17.173	ug/l	99
57) 1,3-Dichloropropane	10.807	76	38229	17.998	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.801	63	64780	85.928	ug/l	98
59) 2-Hexanone	10.849	43	54667	90.416	ug/l	98
60) Dibromochloromethane	11.002	129	28401	18.376	ug/l	97
61) 1,2-Dibromoethane	11.105	107	22030	18.298	ug/l	99
64) Tetrachloroethene	10.734	164	36405	17.500	ug/l	94
65) Chlorobenzene	11.532	112	84373	18.341	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.605	131	31083	18.036	ug/l	99
67) Ethyl Benzene	11.605	91	140888	17.463	ug/l	100
68) m/p-Xylenes	11.715	106	113759	35.885	ug/l	99
69) o-Xylene	12.044	106	52516	17.856	ug/l	98
70) Styrene	12.063	104	86859	17.792	ug/l	98
71) Bromoform	12.221	173	17383	18.202	ug/l #	99
73) Isopropylbenzene	12.343	105	137841	18.393	ug/l	100
74) N-amyl acetate	12.160	43	21952	16.608	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.593	83	24627	19.137	ug/l	99
76) 1,2,3-Trichloropropane	12.648	75	19637m	20.489	ug/l	
77) Bromobenzene	12.623	156	33272	18.333	ug/l	95
78) n-propylbenzene	12.684	91	167026	18.575	ug/l	98
79) 2-Chlorotoluene	12.770	91	92851	18.443	ug/l	99
80) 1,3,5-Trimethylbenzene	12.825	105	110986	18.485	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.392	75	7348	17.616	ug/l	97
82) 4-Chlorotoluene	12.867	91	96496	18.739	ug/l	98
83) tert-Butylbenzene	13.087	119	97393	18.473	ug/l	97
84) 1,2,4-Trimethylbenzene	13.136	105	112013	18.898	ug/l	100
85) sec-Butylbenzene	13.270	105	148274	18.395	ug/l	99
86) p-Isopropyltoluene	13.386	119	121234	18.373	ug/l	99
87) 1,3-Dichlorobenzene	13.379	146	66802	18.338	ug/l	98
88) 1,4-Dichlorobenzene	13.459	146	66457	18.765	ug/l	99
89) n-Butylbenzene	13.709	91	109427	18.177	ug/l	99
90) Hexachloroethane	13.977	117	25015	18.910	ug/l	98
91) 1,2-Dichlorobenzene	13.751	146	59136	19.192	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.367	75	3086	17.058	ug/l	97
93) 1,2,4-Trichlorobenzene	15.019	180	30007	18.437	ug/l	99
94) Hexachlorobutadiene	15.123	225	18950	18.859	ug/l	95
95) Naphthalene	15.251	128	45302	17.155	ug/l	99
96) 1,2,3-Trichlorobenzene	15.440	180	24879	17.819	ug/l	99

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

