

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022024\
 Data File : VY017416.D
 Acq On : 20 Feb 2024 11:14
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/21/2024
 Supervised By :Semsettin Yesilyurt 02/21/2024

Quant Time: Feb 20 15:02:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 20 06:16:24 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	169245	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	266610	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.508	117	228271	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.440	152	102097	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	62005	42.885	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	85.780%		
35) Dibromofluoromethane	7.734	113	69779	44.712	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	89.420%		
50) Toluene-d8	10.197	98	272709	45.056	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery =	90.120%		
62) 4-Bromofluorobenzene	12.495	95	81504	40.708	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	81.420%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	63411	46.986	ug/l	98
3) Chloromethane	2.125	50	119695	43.458	ug/l	98
4) Vinyl Chloride	2.266	62	161645	45.076	ug/l	99
5) Bromomethane	2.668	94	127210	48.164	ug/l	97
6) Chloroethane	2.808	64	107922	47.243	ug/l	99
7) Trichlorofluoromethane	3.143	101	140829	45.791	ug/l	98
8) Diethyl Ether	3.552	74	41412	47.641	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.924	101	85869	48.306	ug/l	100
10) Methyl Iodide	4.113	142	103543	54.734	ug/l	100
11) Tert butyl alcohol	4.972	59	21844	194.307	ug/l #	95
12) 1,1-Dichloroethene	3.893	96	81744	48.924	ug/l	96
13) Acrolein	3.747	56	38987	259.153	ug/l	98
14) Allyl chloride	4.503	41	99816	49.288	ug/l	99
15) Acrylonitrile	5.186	53	81468	235.739	ug/l	99
16) Acetone	3.966	43	78824	251.732	ug/l	91
17) Carbon Disulfide	4.216	76	257154	48.445	ug/l	99
18) Methyl Acetate	4.497	43	34129	48.066	ug/l	99
19) Methyl tert-butyl Ether	5.241	73	186959	49.537	ug/l	98
20) Methylene Chloride	4.741	84	87537	44.880	ug/l	99
21) trans-1,2-Dichloroethene	5.247	96	96028	49.691	ug/l	99
22) Diisopropyl ether	6.143	45	228689	49.098	ug/l	96
23) Vinyl Acetate	6.082	43	680999	246.009	ug/l	99
24) 1,1-Dichloroethane	6.039	63	153010	48.453	ug/l	99
25) 2-Butanone	7.009	43	104323	237.349	ug/l	97
26) 2,2-Dichloropropane	7.002	77	137546	50.620	ug/l	99
27) cis-1,2-Dichloroethene	7.009	96	106600	49.664	ug/l	100
28) Bromochloromethane	7.350	49	58033	48.980	ug/l	99
29) Tetrahydrofuran	7.368	42	61327	237.349	ug/l	99
30) Chloroform	7.527	83	162000	48.597	ug/l	100
31) Cyclohexane	7.801	56	134809	47.099	ug/l	98
32) 1,1,1-Trichloroethane	7.722	97	146245	49.669	ug/l	99
36) 1,1-Dichloropropene	7.935	75	130937	50.235	ug/l	99
37) Ethyl Acetate	7.094	43	43961	46.319	ug/l	98
38) Carbon Tetrachloride	7.923	117	131473	50.663	ug/l	99
39) Methylcyclohexane	9.197	83	164670	51.612	ug/l	98
40) Benzene	8.179	78	377323	49.548	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	24800	53.506	ug/l	94
42) 1,2-Dichloroethane	8.252	62	89289	48.303	ug/l	100
43) Isopropyl Acetate	8.289	43	84228	49.110	ug/l	99
44) Trichloroethene	8.953	130	103038	49.917	ug/l	98
45) 1,2-Dichloropropane	9.234	63	86816	49.318	ug/l	99
46) Dibromomethane	9.319	93	48023	47.996	ug/l	99
47) Bromodichloromethane	9.508	83	120304	48.903	ug/l	99
48) Methyl methacrylate	9.307	41	39392	48.953	ug/l	98
49) 1,4-Dioxane	9.313	88	9122	871.679	ug/l #	95
51) 4-Methyl-2-Pentanone	10.081	43	228270	247.006	ug/l	99
52) Toluene	10.258	92	238961	50.263	ug/l	100
53) t-1,3-Dichloropropene	10.477	75	113953	50.026	ug/l	96
54) cis-1,3-Dichloropropene	9.941	75	138291	49.483	ug/l	99
55) 1,1,2-Trichloroethane	10.654	97	66590	48.370	ug/l	98
56) Ethyl methacrylate	10.520	69	78728	45.669	ug/l	97
57) 1,3-Dichloropropane	10.801	76	109505	48.075	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.795	63	156117	189.792	ug/l	98
59) 2-Hexanone	10.843	43	163141	256.293	ug/l	99
60) Dibromochloromethane	10.996	129	81302	49.680	ug/l	100
61) 1,2-Dibromoethane	11.105	107	62241	48.325	ug/l	99
64) Tetrachloroethene	10.733	164	90184	49.366	ug/l	98
65) Chlorobenzene	11.532	112	243529	49.522	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.605	131	89944	49.116	ug/l	99
67) Ethyl Benzene	11.605	91	455620	51.803	ug/l	98
68) m/p-Xylenes	11.715	106	355939	102.947	ug/l	99
69) o-Xylene	12.044	106	164244	51.781	ug/l	100
70) Styrene	12.056	104	270077	51.842	ug/l	99
71) Bromoform	12.221	173	47551	49.907	ug/l #	99
73) Isopropylbenzene	12.343	105	435101	55.171	ug/l	100
74) N-amyl acetate	12.154	43	72048	52.468	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.593	83	72491	51.431	ug/l	100
76) 1,2,3-Trichloropropane	12.648	75	42671m	43.105	ug/l	
77) Bromobenzene	12.623	156	95513	51.640	ug/l	98
78) n-propylbenzene	12.684	91	523044	54.832	ug/l	100
79) 2-Chlorotoluene	12.770	91	278703	53.062	ug/l	99
80) 1,3,5-Trimethylbenzene	12.825	105	344109	54.551	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.392	75	23068	54.332	ug/l	98
82) 4-Chlorotoluene	12.867	91	284422	52.475	ug/l	99
83) tert-Butylbenzene	13.087	119	303316	55.066	ug/l	100
84) 1,2,4-Trimethylbenzene	13.136	105	340255	54.447	ug/l	100
85) sec-Butylbenzene	13.270	105	469914	55.543	ug/l	99
86) p-Isopropyltoluene	13.385	119	382597	54.906	ug/l	99
87) 1,3-Dichlorobenzene	13.379	146	190382	50.969	ug/l	99
88) 1,4-Dichlorobenzene	13.459	146	184699	51.211	ug/l	99
89) n-Butylbenzene	13.709	91	352652	55.645	ug/l	99
90) Hexachloroethane	13.977	117	72212	52.887	ug/l	100
91) 1,2-Dichlorobenzene	13.751	146	159511	50.734	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.367	75	8767	49.209	ug/l	96
93) 1,2,4-Trichlorobenzene	15.019	180	83632	50.873	ug/l	98
94) Hexachlorobutadiene	15.129	225	49711	49.719	ug/l	98
95) Naphthalene	15.251	128	141249	46.526	ug/l	99
96) 1,2,3-Trichlorobenzene	15.440	180	67585	48.902	ug/l	99

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

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