

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021924\
 Data File : VY017408.D
 Acq On : 19 Feb 2024 17:03
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/20/2024
 Supervised By :Semsettin Yesilyurt 02/20/2024

Quant Time: Feb 20 06:05:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 20 05:58:22 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	155434	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	250820	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	213670	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	94470	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	11477	8.643	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	17.280%#		
35) Dibromofluoromethane	7.722	113	12810	8.725	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	17.440%#		
50) Toluene-d8	10.185	98	47506	8.343	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	16.680%#		
62) 4-Bromofluorobenzene	12.489	95	13866	8.777	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	17.560%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	14112	11.386	ug/l	99
3) Chloromethane	2.119	50	28941	11.441	ug/l	96
4) Vinyl Chloride	2.253	62	37367	11.346	ug/l	96
5) Bromomethane	2.656	94	31259	10.449	ug/l	96
6) Chloroethane	2.802	64	23563	11.231	ug/l	100
7) Trichlorofluoromethane	3.131	101	31183	11.040	ug/l	99
8) Diethyl Ether	3.534	74	8230	10.309	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.905	101	18238	11.171	ug/l	98
10) Methyl Iodide	4.101	142	16376	9.426	ug/l	98
11) Tert butyl alcohol	4.954	59	5744	55.634	ug/l #	90
12) 1,1-Dichloroethene	3.875	96	16248	10.589	ug/l	96
13) Acrolein	3.735	56	6701	48.500	ug/l	98
14) Allyl chloride	4.491	41	19653	10.567	ug/l	99
15) Acrylonitrile	5.167	53	15913	50.138	ug/l	99
16) Acetone	3.948	43	14905	51.830	ug/l #	86
17) Carbon Disulfide	4.204	76	53916	11.060	ug/l	97
18) Methyl Acetate	4.491	43	6274	9.621	ug/l	100
19) Methyl tert-butyl Ether	5.228	73	34415	9.929	ug/l	99
20) Methylene Chloride	4.722	84	28121	11.213	ug/l	98
21) trans-1,2-Dichloroethene	5.228	96	18857	10.625	ug/l	96
22) Diisopropyl ether	6.125	45	43734	10.224	ug/l #	91
23) Vinyl Acetate	6.070	43	125304	49.288	ug/l	98
24) 1,1-Dichloroethane	6.027	63	31214	10.763	ug/l	98
25) 2-Butanone	6.996	43	19643	48.661	ug/l	93
26) 2,2-Dichloropropane	6.984	77	25873	10.368	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	20126	10.210	ug/l	98
28) Bromochloromethane	7.344	49	11405	10.481	ug/l	99
29) Tetrahydrofuran	7.356	42	11520	48.546	ug/l	97
30) Chloroform	7.515	83	32227	10.526	ug/l	98
31) Cyclohexane	7.795	56	28381	10.797	ug/l #	90
32) 1,1,1-Trichloroethane	7.710	97	28866	10.675	ug/l	97
36) 1,1-Dichloropropene	7.923	75	26085	10.638	ug/l	98
37) Ethyl Acetate	7.076	43	8971	10.047	ug/l	98
38) Carbon Tetrachloride	7.905	117	25692	10.524	ug/l	98
39) Methylcyclohexane	9.191	83	30145	10.043	ug/l	96
40) Benzene	8.167	78	73484	10.257	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	3860m	8.852	ug/l	
42) 1,2-Dichloroethane	8.240	62	17946	10.320	ug/l	100
43) Isopropyl Acetate	8.277	43	15678	9.717	ug/l	98
44) Trichloroethene	8.947	130	20156	10.379	ug/l	97
45) 1,2-Dichloropropane	9.228	63	16869	10.186	ug/l	96
46) Dibromomethane	9.319	93	9320	9.901	ug/l	99
47) Bromodichloromethane	9.502	83	23679	10.231	ug/l	94
48) Methyl methacrylate	9.301	41	7186	9.492	ug/l	94
49) 1,4-Dioxane	9.301	88	1879	190.857	ug/l #	95
51) 4-Methyl-2-Pentanone	10.075	43	40557	46.649	ug/l	98
52) Toluene	10.252	92	44895	10.038	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	20598	9.612	ug/l	94
54) cis-1,3-Dichloropropene	9.935	75	25775	9.803	ug/l	97
55) 1,1,2-Trichloroethane	10.654	97	12918	9.974	ug/l	97
56) Ethyl methacrylate	10.520	69	12870	10.998	ug/l	93
57) 1,3-Dichloropropane	10.794	76	21517	10.041	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	33389	43.147	ug/l	100
59) 2-Hexanone	10.843	43	26821	44.788	ug/l	96
60) Dibromochloromethane	10.990	129	14873	9.660	ug/l	100
61) 1,2-Dibromoethane	11.099	107	12068	9.960	ug/l	97
64) Tetrachloroethene	10.727	164	18051	10.556	ug/l	99
65) Chlorobenzene	11.526	112	47460	10.310	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	17284	10.083	ug/l	97
67) Ethyl Benzene	11.599	91	81359	9.882	ug/l	99
68) m/p-Xylenes	11.709	106	63740	19.695	ug/l	98
69) o-Xylene	12.038	106	28576	9.625	ug/l	100
70) Styrene	12.050	104	45861	9.405	ug/l	100
71) Bromoform	12.215	173	8414	9.434	ug/l #	99
73) Isopropylbenzene	12.337	105	75477	10.343	ug/l	100
74) N-amyl acetate	12.148	43	12104	9.526	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	13360	10.244	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	10138m	11.038	ug/l	
77) Bromobenzene	12.617	156	17559	10.260	ug/l	98
78) n-propylbenzene	12.678	91	91966	10.419	ug/l	98
79) 2-Chlorotoluene	12.764	91	51430	10.582	ug/l	99
80) 1,3,5-Trimethylbenzene	12.818	105	58687	10.055	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	3619	9.212	ug/l	97
82) 4-Chlorotoluene	12.861	91	53103	10.588	ug/l	100
83) tert-Butylbenzene	13.081	119	52404	10.282	ug/l	99
84) 1,2,4-Trimethylbenzene	13.129	105	57811	9.998	ug/l	100
85) sec-Butylbenzene	13.257	105	80760	10.316	ug/l	99
86) p-Isopropyltoluene	13.379	119	63859	9.904	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	35679	10.323	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	34735	10.409	ug/l	96
89) n-Butylbenzene	13.702	91	59166	10.089	ug/l	98
90) Hexachloroethane	13.971	117	13354	10.570	ug/l	98
91) 1,2-Dichlorobenzene	13.745	146	29850	10.261	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1670	10.131	ug/l	91
93) 1,2,4-Trichlorobenzene	15.013	180	14571	9.579	ug/l	98
94) Hexachlorobutadiene	15.117	225	9869	10.668	ug/l	99
95) Naphthalene	15.245	128	21151	10.496	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	11984	9.371	ug/l	99

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

