

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111423\
 Data File : VY016336.D
 Acq On : 14 Nov 2023 09:08
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/15/2023
 Supervised By :Semsettin Yesilyurt 11/15/2023

Quant Time: Nov 14 19:00:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	171513	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	271539	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	234862	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	106279	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	73779	47.066	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.140%		
35) Dibromofluoromethane	7.734	113	78307	50.766	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.540%		
50) Toluene-d8	10.191	98	301100	48.136	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.280%		
62) 4-Bromofluorobenzene	12.495	95	97975	48.226	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	96.460%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	75814	45.143	ug/l	100
3) Chloromethane	2.119	50	87576	44.526	ug/l	99
4) Vinyl Chloride	2.259	62	94573	44.716	ug/l	97
5) Bromomethane	2.662	94	60211	43.320	ug/l	96
6) Chloroethane	2.808	64	61559	45.615	ug/l	96
7) Trichlorofluoromethane	3.137	101	148115	48.136	ug/l	99
8) Diethyl Ether	3.540	74	46057	50.082	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.918	101	89384	48.230	ug/l	94
10) Methyl Iodide	4.107	142	97974	48.948	ug/l	98
11) Tert butyl alcohol	4.991	59	26262	213.943	ug/l #	79
12) 1,1-Dichloroethene	3.887	96	82720	47.727	ug/l	89
13) Acrolein	3.747	56	30089	203.220	ug/l	98
14) Allyl chloride	4.497	41	117817	47.902	ug/l #	93
15) Acrylonitrile	5.186	53	92191	252.608	ug/l	98
16) Acetone	3.966	43	68682	264.881	ug/l #	89
17) Carbon Disulfide	4.216	76	240183	45.929	ug/l	99
18) Methyl Acetate	4.491	43	72744	52.797	ug/l	91
19) Methyl tert-butyl Ether	5.241	73	211083	50.319	ug/l	97
20) Methylene Chloride	4.735	84	88092	47.949	ug/l	91
21) trans-1,2-Dichloroethene	5.234	96	94414	47.312	ug/l	92
22) Diisopropyl ether	6.137	45	257415	48.564	ug/l	88
23) Vinyl Acetate	6.076	43	632688	246.338	ug/l #	92
24) 1,1-Dichloroethane	6.039	63	157299	48.103	ug/l	97
25) 2-Butanone	7.002	43	112696	248.138	ug/l	93
26) 2,2-Dichloropropane	7.002	77	146693	49.289	ug/l	97
27) cis-1,2-Dichloroethene	7.002	96	103755	48.245	ug/l	92
28) Bromochloromethane	7.350	49	60556	50.036	ug/l	88
29) Tetrahydrofuran	7.368	42	74926	249.596	ug/l	90
30) Chloroform	7.521	83	167042	49.076	ug/l	97
31) Cyclohexane	7.801	56	137760	44.637	ug/l	90
32) 1,1,1-Trichloroethane	7.716	97	153634	49.240	ug/l	96
36) 1,1-Dichloropropene	7.935	75	128317	47.907	ug/l	99
37) Ethyl Acetate	7.088	43	54243	50.122	ug/l	95
38) Carbon Tetrachloride	7.917	117	140755	50.634	ug/l	98
39) Methylcyclohexane	9.197	83	161544	48.403	ug/l	92
40) Benzene	8.179	78	369493	49.101	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	27780	50.910	ug/l	96
42) 1,2-Dichloroethane	8.252	62	97582	50.047	ug/l	92
43) Isopropyl Acetate	8.289	43	106098	50.718	ug/l #	91
44) Trichloroethene	8.953	130	106746	49.357	ug/l	99
45) 1,2-Dichloropropane	9.228	63	88961	49.225	ug/l	99
46) Dibromomethane	9.319	93	49985	51.039	ug/l	96
47) Bromodichloromethane	9.508	83	127520	50.648	ug/l	97
48) Methyl methacrylate	9.307	41	59954	51.857	ug/l	86
49) 1,4-Dioxane	9.319	88	10072	968.725	ug/l #	65
51) 4-Methyl-2-Pentanone	10.081	43	273890	258.917	ug/l	90
52) Toluene	10.258	92	234310	49.257	ug/l	94
53) t-1,3-Dichloropropene	10.477	75	125107	51.257	ug/l	98
54) cis-1,3-Dichloropropene	9.941	75	146206	50.152	ug/l #	88
55) 1,1,2-Trichloroethane	10.660	97	69370	51.392	ug/l	96
56) Ethyl methacrylate	10.520	69	68212	53.533	ug/l #	84
57) 1,3-Dichloropropane	10.807	76	117085	50.887	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.795	63	227061	262.803	ug/l	93
59) 2-Hexanone	10.843	43	194717	247.467	ug/l	88
60) Dibromochloromethane	10.996	129	87931	52.086	ug/l	99
61) 1,2-Dibromoethane	11.105	107	65789	51.158	ug/l	100
64) Tetrachloroethene	10.734	164	104942	49.763	ug/l	97
65) Chlorobenzene	11.532	112	248213	49.466	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.605	131	94168	50.881	ug/l	99
67) Ethyl Benzene	11.605	91	445593	49.412	ug/l	99
68) m/p-Xylenes	11.715	106	341250	99.768	ug/l	95
69) o-Xylene	12.044	106	158381	49.872	ug/l	97
70) Styrene	12.056	104	232857	51.207	ug/l	97
71) Bromoform	12.221	173	51569	53.699	ug/l #	99
73) Isopropylbenzene	12.343	105	436361	50.703	ug/l	99
74) N-amyl acetate	12.154	43	89636	51.852	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.593	83	72356	52.394	ug/l	98
76) 1,2,3-Trichloropropane	12.648	75	47764m	46.849	ug/l	
77) Bromobenzene	12.623	156	98245	50.508	ug/l	95
78) n-propylbenzene	12.684	91	509629	50.107	ug/l	99
79) 2-Chlorotoluene	12.770	91	280008	49.956	ug/l	98
80) 1,3,5-Trimethylbenzene	12.825	105	352597	50.815	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.392	75	25216	53.685	ug/l	91
82) 4-Chlorotoluene	12.867	91	286760	49.511	ug/l	98
83) tert-Butylbenzene	13.087	119	314434	51.447	ug/l	97
84) 1,2,4-Trimethylbenzene	13.136	105	346883	50.771	ug/l	98
85) sec-Butylbenzene	13.270	105	440967	50.503	ug/l	99
86) p-Isopropyltoluene	13.385	119	383873	51.057	ug/l	98
87) 1,3-Dichlorobenzene	13.379	146	187301	50.052	ug/l	99
88) 1,4-Dichlorobenzene	13.459	146	184756	50.518	ug/l	99
89) n-Butylbenzene	13.709	91	356434	51.335	ug/l	97
90) Hexachloroethane	13.977	117	72706	50.131	ug/l	92
91) 1,2-Dichlorobenzene	13.751	146	162679	50.731	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.367	75	10726	48.817	ug/l	88
93) 1,2,4-Trichlorobenzene	15.019	180	93951	50.194	ug/l	98
94) Hexachlorobutadiene	15.123	225	53972	50.331	ug/l	98
95) Naphthalene	15.251	128	174919	52.251	ug/l	99
96) 1,2,3-Trichlorobenzene	15.440	180	78492	50.700	ug/l	99

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

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