

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102524\
 Data File : VY020027.D
 Acq On : 25 Oct 2024 15:41
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/28/2024
 Supervised By :Semsettin Yesilyurt 10/28/2024

Quant Time: Oct 26 00:23:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 16 05:44:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	193229	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	356271	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	316290	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	158937	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	142936	60.077	ug/l	0.00
Spiked Amount 50.000	Range 50	- 163	Recovery	=	120.160%	
35) Dibromofluoromethane	7.634	113	134978	57.413	ug/l	0.00
Spiked Amount 50.000	Range 54	- 147	Recovery	=	114.820%	
50) Toluene-d8	10.109	98	491222	56.580	ug/l	0.00
Spiked Amount 50.000	Range 58	- 134	Recovery	=	113.160%	
62) 4-Bromofluorobenzene	12.408	95	179533	57.230	ug/l	0.00
Spiked Amount 50.000	Range 29	- 146	Recovery	=	114.460%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	74748	41.554	ug/l	96
3) Chloromethane	2.074	50	123224	52.633	ug/l	99
4) Vinyl Chloride	2.208	62	137345	53.311	ug/l	99
5) Bromomethane	2.598	94	94158	57.741	ug/l	99
6) Chloroethane	2.739	64	102445	59.191	ug/l	100
7) Trichlorofluoromethane	3.062	101	201491	52.560	ug/l	98
8) Diethyl Ether	3.458	74	63115	54.172	ug/l	75
9) 1,1,2-Trichlorotrifluo...	3.818	101	119334	53.517	ug/l	91
10) Methyl Iodide	4.007	142	111054	49.243	ug/l #	89
11) Tert butyl alcohol	4.879	59	44348	228.569	ug/l #	95
12) 1,1-Dichloroethene	3.793	96	104754	50.533	ug/l #	77
13) Acrolein	3.659	56	22755	130.159	ug/l	98
14) Allyl chloride	4.391	41	211698	56.600	ug/l #	90
15) Acrylonitrile	5.061	53	162521	304.973	ug/l	99
16) Acetone	3.879	43	155724	251.432	ug/l #	84
17) Carbon Disulfide	4.116	76	238343	42.896	ug/l	100
18) Methyl Acetate	4.391	43	85619	64.173	ug/l #	86
19) Methyl tert-butyl Ether	5.122	73	348034	58.440	ug/l	99
20) Methylene Chloride	4.616	84	132207	57.899	ug/l #	78
21) trans-1,2-Dichloroethene	5.116	96	122727	54.397	ug/l #	84
22) Diisopropyl ether	6.025	45	524880	64.426	ug/l	92
23) Vinyl Acetate	5.964	43	1400223	299.802	ug/l #	88
24) 1,1-Dichloroethane	5.921	63	278810	61.565	ug/l	95
25) 2-Butanone	6.896	43	231282	278.983	ug/l #	83
26) 2,2-Dichloropropane	6.890	77	213658	52.975	ug/l	97
27) cis-1,2-Dichloroethene	6.896	96	165291	59.283	ug/l	83
28) Bromochloromethane	7.250	49	117443	58.919	ug/l #	69
29) Tetrahydrofuran	7.262	42	138712	293.043	ug/l #	82
30) Chloroform	7.427	83	292543	63.369	ug/l	99
31) Cyclohexane	7.707	56	200734	50.494	ug/l	88
32) 1,1,1-Trichloroethane	7.622	97	235405	58.186	ug/l #	93
36) 1,1-Dichloropropene	7.841	75	181419	53.563	ug/l	94
37) Ethyl Acetate	6.994	43	97298	55.091	ug/l	94
38) Carbon Tetrachloride	7.817	117	194945	53.689	ug/l	97
39) Methylcyclohexane	9.110	83	216054	50.626	ug/l #	88
40) Benzene	8.085	78	585922	57.160	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	65799	68.836	ug/l #	77
42) 1,2-Dichloroethane	8.158	62	172678	58.637	ug/l	93
43) Isopropyl Acetate	8.201	43	200961	55.794	ug/l #	76
44) Trichloroethene	8.866	130	130952	52.746	ug/l	82
45) 1,2-Dichloropropane	9.146	63	153121	59.681	ug/l	97
46) Dibromomethane	9.231	93	80252	57.251	ug/l #	88
47) Bromodichloromethane	9.427	83	223174	59.981	ug/l	97
48) Methyl methacrylate	9.225	41	91790	57.935	ug/l #	81
49) 1,4-Dioxane	9.238	88	17367	1106.956	ug/l #	87
51) 4-Methyl-2-Pentanone	10.000	43	544845	296.567	ug/l	88
52) Toluene	10.170	92	377065	58.931	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	191826	57.300	ug/l	94
54) cis-1,3-Dichloropropene	9.859	75	226797	57.414	ug/l #	84
55) 1,1,2-Trichloroethane	10.573	97	110762	59.974	ug/l	97
56) Ethyl methacrylate	10.439	69	156946	59.224	ug/l #	75
57) 1,3-Dichloropropane	10.719	76	190363	58.694	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	334823	271.404	ug/l	92
59) 2-Hexanone	10.762	43	366997	279.688	ug/l	86
60) Dibromochloromethane	10.914	129	139059	58.663	ug/l	99
61) 1,2-Dibromoethane	11.018	107	94449	56.594	ug/l	100
64) Tetrachloroethene	10.646	164	115529	51.352	ug/l	92
65) Chlorobenzene	11.444	112	404203	55.873	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	138285	56.498	ug/l	100
67) Ethyl Benzene	11.518	91	753020	57.301	ug/l	96
68) m/p-Xylenes	11.627	106	540040	111.270	ug/l	91
69) o-Xylene	11.957	106	264542	56.730	ug/l	91
70) Styrene	11.969	104	458296	58.252	ug/l	95
71) Bromoform	12.133	173	72530	55.354	ug/l #	98
73) Isopropylbenzene	12.255	105	720249	53.876	ug/l	97
74) N-amyl acetate	12.072	43	187867	53.058	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.505	83	130419	54.903	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	94087m	30.218	ug/l	
77) Bromobenzene	12.530	156	147167	51.876	ug/l	82
78) n-propylbenzene	12.597	91	896737	55.513	ug/l	96
79) 2-Chlorotoluene	12.682	91	503336	54.351	ug/l	93
80) 1,3,5-Trimethylbenzene	12.737	105	588959	54.551	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.304	75	39014	50.577	ug/l #	82
82) 4-Chlorotoluene	12.780	91	519584	54.871	ug/l	94
83) tert-Butylbenzene	12.999	119	533629	55.173	ug/l	95
84) 1,2,4-Trimethylbenzene	13.042	105	587056	54.844	ug/l	96
85) sec-Butylbenzene	13.176	105	811260	56.140	ug/l	98
86) p-Isopropyltoluene	13.292	119	641142	54.638	ug/l	96
87) 1,3-Dichlorobenzene	13.286	146	307901	53.744	ug/l	97
88) 1,4-Dichlorobenzene	13.365	146	295866	52.568	ug/l	97
89) n-Butylbenzene	13.621	91	652736	56.968	ug/l	98
90) Hexachloroethane	13.883	117	128118	56.071	ug/l	85
91) 1,2-Dichlorobenzene	13.664	146	273052	54.243	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	19844	52.344	ug/l	71
93) 1,2,4-Trichlorobenzene	14.926	180	148137	52.482	ug/l	96
94) Hexachlorobutadiene	15.023	225	81855	52.161	ug/l	99
95) Naphthalene	15.145	128	291893	54.829	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	125671	52.669	ug/l	97

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

