

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041522\
 Data File : VY008342.D
 Acq On : 15 Apr 2022 10:32
 Operator : KP/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 04/18/2022
 Supervised By :Semsettin Yesilyurt 04/18/2022

Quant Time: Apr 16 04:56:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 08 16:02:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	128666	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	233798	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	208160	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	102264	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	55994	46.330	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.660%		
35) Dibromofluoromethane	7.716	113	60901	45.099	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.200%		
50) Toluene-d8	10.179	98	204169	44.186	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	88.380%		
62) 4-Bromofluorobenzene	12.483	95	72553	41.746	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	83.500%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	47577	44.651	ug/l	100
3) Chloromethane	2.113	50	67795	56.977	ug/l	97
4) Vinyl Chloride	2.253	62	91568	49.955	ug/l	97
5) Bromomethane	2.650	94	78487	55.642	ug/l	96
6) Chloroethane	2.796	64	66929	52.132	ug/l	100
7) Trichlorofluoromethane	3.125	101	111512	51.127	ug/l	95
8) Diethyl Ether	3.527	74	40093	50.865	ug/l	72
9) 1,1,2-Trichlorotrifluo...	3.899	101	72082	50.878	ug/l	93
10) Methyl Iodide	4.088	142	85018	53.520	ug/l	89
11) Tert butyl alcohol	4.948	59	35562	275.231	ug/l #	95
12) 1,1-Dichloroethene	3.869	96	64479	50.808	ug/l #	80
13) Acrolein	3.723	56	22913	225.218	ug/l	100
14) Allyl chloride	4.478	41	89879	54.267	ug/l #	91
15) Acrylonitrile	5.161	53	100959	261.873	ug/l	99
16) Acetone	3.942	43	80958	278.499	ug/l #	87
17) Carbon Disulfide	4.192	76	152641	45.592	ug/l	100
18) Methyl Acetate	4.478	43	41696	60.649	ug/l #	80
19) Methyl tert-butyl Ether	5.216	73	213123	54.418	ug/l	95
20) Methylene Chloride	4.716	84	81369	53.530	ug/l #	80
21) trans-1,2-Dichloroethene	5.216	96	79038	51.981	ug/l	85
22) Diisopropyl ether	6.118	45	219265	56.113	ug/l #	90
23) Vinyl Acetate	6.057	43	714249	282.098	ug/l #	85
24) 1,1-Dichloroethane	6.015	63	138925	55.387	ug/l	97
25) 2-Butanone	6.984	43	125543	276.193	ug/l #	76
26) 2,2-Dichloropropane	6.978	77	130822	56.636	ug/l	92
27) cis-1,2-Dichloroethene	6.984	96	98954	54.851	ug/l	81
28) Bromochloromethane	7.332	49	53876	56.038	ug/l #	71
29) Tetrahydrofuran	7.338	42	80231	273.386	ug/l #	73
30) Chloroform	7.502	83	157804	56.343	ug/l	99
31) Cyclohexane	7.783	56	102157	46.743	ug/l #	82
32) 1,1,1-Trichloroethane	7.697	97	137146	55.977	ug/l	95
36) 1,1-Dichloropropene	7.917	75	108341	50.243	ug/l	96
37) Ethyl Acetate	7.069	43	56597	50.902	ug/l #	90
38) Carbon Tetrachloride	7.899	117	119495	51.510	ug/l	98
39) Methylcyclohexane	9.179	83	132271	47.674	ug/l #	84
40) Benzene	8.161	78	330479	51.466	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	30461m	48.971	ug/l	
42) 1,2-Dichloroethane	8.234	62	95295	51.153	ug/l	90
43) Isopropyl Acetate	8.270	43	108598	52.627	ug/l #	85
44) Trichloroethene	8.935	130	93749	51.228	ug/l	98
45) 1,2-Dichloropropane	9.215	63	83229	53.058	ug/l	93
46) Dibromomethane	9.307	93	52794	50.850	ug/l	95
47) Bromodichloromethane	9.496	83	123797	53.020	ug/l	100
48) Methyl methacrylate	9.289	41	45897	52.321	ug/l #	73
49) 1,4-Dioxane	9.295	88	13233	987.671	ug/l #	80
51) 4-Methyl-2-Pentanone	10.069	43	285927	268.340	ug/l #	82
52) Toluene	10.240	92	219054	51.777	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	125696	52.823	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	141073	52.549	ug/l #	82
55) 1,1,2-Trichloroethane	10.642	97	76453	51.623	ug/l	95
56) Ethyl methacrylate	10.508	69	97265	53.568	ug/l #	74
57) 1,3-Dichloropropane	10.788	76	123037	51.734	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	150242	210.063	ug/l	91
59) 2-Hexanone	10.831	43	200647	273.662	ug/l	80
60) Dibromochloromethane	10.983	129	90426	52.270	ug/l	100
61) 1,2-Dibromoethane	11.087	107	72425	50.018	ug/l	100
64) Tetrachloroethene	10.721	164	74318	50.655	ug/l	96
65) Chlorobenzene	11.514	112	246218	54.543	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	94489	56.092	ug/l	97
67) Ethyl Benzene	11.593	91	429098	55.895	ug/l	98
68) m/p-Xylenes	11.703	106	341756	111.937	ug/l	90
69) o-Xylene	12.032	106	163583	55.212	ug/l	92
70) Styrene	12.044	104	283079	57.933	ug/l	94
71) Bromoform	12.209	173	55428	54.587	ug/l #	99
73) Isopropylbenzene	12.331	105	432004	56.819	ug/l	100
74) N-amyl acetate	12.142	43	96831	58.661	ug/l #	79
75) 1,1,2,2-Tetrachloroethane	12.581	83	90508	56.258	ug/l	100
76) 1,2,3-Trichloropropane	12.629	75	53383m	47.199	ug/l	
77) Bromobenzene	12.611	156	98850	53.056	ug/l	95
78) n-propylbenzene	12.672	91	511725	57.037	ug/l	98
79) 2-Chlorotoluene	12.757	91	286881	56.977	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	360483	57.821	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	30207	59.758	ug/l #	81
82) 4-Chlorotoluene	12.855	91	302486	58.460	ug/l	96
83) tert-Butylbenzene	13.075	119	323080	57.765	ug/l	93
84) 1,2,4-Trimethylbenzene	13.123	105	360257	58.390	ug/l	96
85) sec-Butylbenzene	13.251	105	478867	57.751	ug/l	99
86) p-Isopropyltoluene	13.373	119	405429	58.593	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	210238	56.976	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	205260	56.205	ug/l	98
89) n-Butylbenzene	13.696	91	358617	57.363	ug/l	99
90) Hexachloroethane	13.965	117	73018	56.460	ug/l	84
91) 1,2-Dichlorobenzene	13.739	146	183763	55.977	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	12861	55.874	ug/l	74
93) 1,2,4-Trichlorobenzene	15.007	180	96361	49.627	ug/l	99
94) Hexachlorobutadiene	15.111	225	47630	48.318	ug/l	98
95) Naphthalene	15.239	128	212887	51.184	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	82059	48.294	ug/l	99

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

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