

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042222\
 Data File : VY008454.D
 Acq On : 22 Apr 2022 09:59
 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 :Krupa Patel 04/25/2022
 Supervised By :Mahesh Dadoda 04/25/2022

Quant Time: Apr 23 01:49:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 21 14:28:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	111702	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	190246	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	179770	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	89607	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	61533	46.818	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.640%		
35) Dibromofluoromethane	7.716	113	58369	47.539	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.080%		
50) Toluene-d8	10.179	98	212340	43.683	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	87.360%		
62) 4-Bromofluorobenzene	12.483	95	76526	46.287	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	92.580%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	48423	47.737	ug/l	99
3) Chloromethane	2.113	50	79882	50.046	ug/l	96
4) Vinyl Chloride	2.253	62	105276	50.759	ug/l	96
5) Bromomethane	2.650	94	90548	46.953	ug/l	97
6) Chloroethane	2.796	64	69778	50.571	ug/l	99
7) Trichlorofluoromethane	3.125	101	103661	48.247	ug/l	91
8) Diethyl Ether	3.528	74	35390	47.858	ug/l	73
9) 1,1,2-Trichlorotrifluo...	3.899	101	63540	49.679	ug/l	94
10) Methyl Iodide	4.095	142	79827	47.460	ug/l	91
11) Tert butyl alcohol	4.954	59	31433	234.648	ug/l	96
12) 1,1-Dichloroethene	3.875	96	60046	49.728	ug/l	81
13) Acrolein	3.729	56	34528	246.750	ug/l	97
14) Allyl chloride	4.479	41	80854	51.301	ug/l #	90
15) Acrylonitrile	5.161	53	87994	232.730	ug/l	98
16) Acetone	3.942	43	74256	242.564	ug/l	93
17) Carbon Disulfide	4.192	76	182487	49.989	ug/l	100
18) Methyl Acetate	4.479	43	38338	44.656	ug/l #	83
19) Methyl tert-butyl Ether	5.216	73	185614	48.581	ug/l	94
20) Methylene Chloride	4.710	84	71913	44.489	ug/l #	80
21) trans-1,2-Dichloroethene	5.216	96	72567	49.267	ug/l	83
22) Diisopropyl ether	6.112	45	186926	49.113	ug/l #	93
23) Vinyl Acetate	6.058	43	650365	249.238	ug/l #	88
24) 1,1-Dichloroethane	6.015	63	117837	49.738	ug/l	97
25) 2-Butanone	6.984	43	113426	239.496	ug/l #	78
26) 2,2-Dichloropropane	6.978	77	112906	51.455	ug/l	94
27) cis-1,2-Dichloroethene	6.984	96	84292	50.030	ug/l	83
28) Bromochloromethane	7.332	49	43685	45.712	ug/l #	75
29) Tetrahydrofuran	7.350	42	72092	236.337	ug/l #	75
30) Chloroform	7.509	83	130140	50.000	ug/l	99
31) Cyclohexane	7.783	56	104946	48.571	ug/l #	85
32) 1,1,1-Trichloroethane	7.704	97	117424	51.523	ug/l	95
36) 1,1-Dichloropropene	7.917	75	99332	50.860	ug/l	97
37) Ethyl Acetate	7.070	43	51213	47.414	ug/l #	90
38) Carbon Tetrachloride	7.899	117	105268	51.876	ug/l	100
39) Methylcyclohexane	9.185	83	131919	52.753	ug/l #	85
40) Benzene	8.161	78	290797	51.036	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	26086m	49.802	ug/l	
42) 1,2-Dichloroethane	8.240	62	85128	49.624	ug/l	91
43) Isopropyl Acetate	8.271	43	98284	49.476	ug/l #	87
44) Trichloroethene	8.941	130	80755	51.443	ug/l	94
45) 1,2-Dichloropropane	9.216	63	70027	51.179	ug/l	95
46) Dibromomethane	9.307	93	47641	49.697	ug/l	93
47) Bromodichloromethane	9.496	83	103871	51.043	ug/l	98
48) Methyl methacrylate	9.295	41	41773	49.457	ug/l #	76
49) 1,4-Dioxane	9.295	88	12696	1050.283	ug/l #	74
51) 4-Methyl-2-Pentanone	10.069	43	256670	245.617	ug/l #	84
52) Toluene	10.246	92	193524	51.358	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	112981	51.772	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	123678	51.142	ug/l #	83
55) 1,1,2-Trichloroethane	10.642	97	65234	49.858	ug/l	97
56) Ethyl methacrylate	10.508	69	86127	50.982	ug/l #	76
57) 1,3-Dichloropropane	10.788	76	105942	49.603	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	227980	246.235	ug/l	90
59) 2-Hexanone	10.831	43	182883	254.314	ug/l	83
60) Dibromochloromethane	10.984	129	77385	51.480	ug/l	100
61) 1,2-Dibromoethane	11.087	107	64788	50.065	ug/l	99
64) Tetrachloroethene	10.721	164	69315	51.994	ug/l	97
65) Chlorobenzene	11.514	112	210559	51.801	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	78650	52.408	ug/l	97
67) Ethyl Benzene	11.593	91	372885	52.858	ug/l	98
68) m/p-Xylenes	11.703	106	300415	106.314	ug/l	91
69) o-Xylene	12.032	106	143681	52.816	ug/l	91
70) Styrene	12.044	104	241461	52.669	ug/l	94
71) Bromoform	12.209	173	49069	52.174	ug/l #	98
73) Isopropylbenzene	12.331	105	369068	54.323	ug/l	99
74) N-amyl acetate	12.142	43	89917	53.564	ug/l #	82
75) 1,1,2,2-Tetrachloroethane	12.581	83	78968	52.021	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	48141m	41.513	ug/l	
77) Bromobenzene	12.611	156	86558	52.240	ug/l	96
78) n-propylbenzene	12.672	91	447809	54.951	ug/l	98
79) 2-Chlorotoluene	12.758	91	244558	53.321	ug/l	96
80) 1,3,5-Trimethylbenzene	12.813	105	301977	53.549	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	28062	56.138	ug/l #	82
82) 4-Chlorotoluene	12.855	91	250486	52.702	ug/l	96
83) tert-Butylbenzene	13.075	119	265327	54.199	ug/l	94
84) 1,2,4-Trimethylbenzene	13.123	105	302893	54.133	ug/l	97
85) sec-Butylbenzene	13.251	105	406293	54.993	ug/l	100
86) p-Isopropyltoluene	13.367	119	340424	55.020	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	172840	52.103	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	170425	51.863	ug/l	98
89) n-Butylbenzene	13.696	91	312362	55.623	ug/l	99
90) Hexachloroethane	13.965	117	63235	56.847	ug/l	81
91) 1,2-Dichlorobenzene	13.739	146	150352	50.974	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	11819	51.809	ug/l	79
93) 1,2,4-Trichlorobenzene	15.007	180	85556	52.109	ug/l	99
94) Hexachlorobutadiene	15.111	225	43048	53.736	ug/l	99
95) Naphthalene	15.239	128	191538	51.460	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	74513	51.850	ug/l	99

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

