

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072022\
 Data File : VY009620.D
 Acq On : 20 Jul 2022 18:16
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 07/21/2022
 Supervised By :Mahesh Dadoda 07/21/2022

Quant Time: Jul 21 02:15:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 19 04:22:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	271867	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	409750	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	370380	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	188224	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	126985	49.387	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.780%			
35) Dibromofluoromethane	7.710	113	134228	51.998	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.000%			
50) Toluene-d8	10.173	98	503312	50.718	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery = 101.440%			
62) 4-Bromofluorobenzene	12.477	95	175077	54.447	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery = 108.900%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	113504	47.580	ug/l	98
3) Chloromethane	2.101	50	129496	36.631	ug/l	97
4) Vinyl Chloride	2.241	62	129648	35.070	ug/l	98
5) Bromomethane	2.638	94	88155	35.232	ug/l	99
6) Chloroethane	2.778	64	79305	35.316	ug/l	99
7) Trichlorofluoromethane	3.107	101	223676	51.060	ug/l	94
8) Diethyl Ether	3.515	74	77485	54.062	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.881	101	133281	52.029	ug/l	94
10) Methyl Iodide	4.076	142	171001	50.254	ug/l #	87
11) Tert butyl alcohol	4.948	59	64138	250.728	ug/l #	95
12) 1,1-Dichloroethene	3.857	96	128404	51.359	ug/l	83
13) Acrolein	3.717	56	42547	231.460	ug/l	97
14) Allyl chloride	4.460	41	197376	51.035	ug/l #	88
15) Acrylonitrile	5.149	53	188258	265.949	ug/l	98
16) Acetone	3.936	43	137130	210.829	ug/l #	89
17) Carbon Disulfide	4.174	76	381872	49.133	ug/l	99
18) Methyl Acetate	4.466	43	87269	47.798	ug/l #	89
19) Methyl tert-butyl Ether	5.210	73	361861	54.917	ug/l	97
20) Methylene Chloride	4.698	84	180719	56.907	ug/l #	84
21) trans-1,2-Dichloroethene	5.204	96	146237	51.679	ug/l	85
22) Diisopropyl ether	6.106	45	424826	51.441	ug/l #	92
23) Vinyl Acetate	6.045	43	1383646	265.543	ug/l #	93
24) 1,1-Dichloroethane	6.003	63	247776	51.946	ug/l	98
25) 2-Butanone	6.972	43	234857	247.536	ug/l #	87
26) 2,2-Dichloropropane	6.966	77	204918	47.956	ug/l	91
27) cis-1,2-Dichloroethene	6.972	96	165102	52.773	ug/l	85
28) Bromochloromethane	7.320	49	103931	50.854	ug/l #	78
29) Tetrahydrofuran	7.338	42	165386	265.505	ug/l #	87
30) Chloroform	7.496	83	254404	52.138	ug/l	99
31) Cyclohexane	7.771	56	222488	49.074	ug/l	93
32) 1,1,1-Trichloroethane	7.691	97	228669	52.248	ug/l	94
36) 1,1-Dichloropropene	7.905	75	194713	51.044	ug/l	96
37) Ethyl Acetate	7.064	43	109592	51.620	ug/l #	93
38) Carbon Tetrachloride	7.893	117	205389	51.435	ug/l	99
39) Methylcyclohexane	9.179	83	248821	52.901	ug/l	91
40) Benzene	8.149	78	574779	51.495	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	62426m	61.276	ug/l	
42) 1,2-Dichloroethane	8.228	62	158483	50.614	ug/l	89
43) Isopropyl Acetate	8.265	43	207067	53.227	ug/l #	91
44) Trichloroethene	8.935	130	166447	52.433	ug/l	95
45) 1,2-Dichloropropane	9.210	63	142543	52.051	ug/l	93
46) Dibromomethane	9.301	93	85099	53.505	ug/l	96
47) Bromodichloromethane	9.490	83	196523	52.695	ug/l	98
48) Methyl methacrylate	9.289	41	91830	53.428	ug/l #	81
49) 1,4-Dioxane	9.289	88	25133	1185.486	ug/l #	84
51) 4-Methyl-2-Pentanone	10.063	43	538070	266.382	ug/l	88
52) Toluene	10.240	92	371754	52.579	ug/l	94
53) t-1,3-Dichloropropene	10.459	75	205564	53.366	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	234099	53.449	ug/l #	84
55) 1,1,2-Trichloroethane	10.642	97	121328	54.165	ug/l	97
56) Ethyl methacrylate	10.508	69	166088	57.956	ug/l #	79
57) 1,3-Dichloropropane	10.789	76	199342	53.628	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	426076	272.494	ug/l	93
59) 2-Hexanone	10.825	43	374179	266.341	ug/l	87
60) Dibromochloromethane	10.984	129	147870	54.555	ug/l	99
61) 1,2-Dibromoethane	11.087	107	119210	54.548	ug/l	99
64) Tetrachloroethene	10.715	164	157278	54.259	ug/l	97
65) Chlorobenzene	11.514	112	396505	52.388	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	149994	53.340	ug/l	97
67) Ethyl Benzene	11.587	91	705969	53.034	ug/l	97
68) m/p-Xylenes	11.697	106	563911	106.443	ug/l	91
69) o-Xylene	12.026	106	268217	54.101	ug/l	90
70) Styrene	12.038	104	447311	54.247	ug/l	95
71) Bromoform	12.203	173	98307	55.398	ug/l #	99
73) Isopropylbenzene	12.325	105	696237	53.425	ug/l	100
74) N-amyl acetate	12.142	43	190119	54.854	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.581	83	135495	51.916	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	96916m	54.051	ug/l	
77) Bromobenzene	12.605	156	170628	52.067	ug/l	90
78) n-propylbenzene	12.666	91	833848	52.952	ug/l	97
79) 2-Chlorotoluene	12.752	91	465623	53.331	ug/l	96
80) 1,3,5-Trimethylbenzene	12.806	105	586143	54.431	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.374	75	49368	54.290	ug/l #	83
82) 4-Chlorotoluene	12.849	91	479641	52.954	ug/l	97
83) tert-Butylbenzene	13.075	119	514813	53.811	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	595721	55.316	ug/l	97
85) sec-Butylbenzene	13.251	105	755850	53.287	ug/l	99
86) p-Isopropyltoluene	13.367	119	633242	53.122	ug/l	97
87) 1,3-Dichlorobenzene	13.361	146	332626	51.310	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	329805	51.311	ug/l	98
89) n-Butylbenzene	13.697	91	596879	54.826	ug/l	98
90) Hexachloroethane	13.959	117	121508	52.908	ug/l	95
91) 1,2-Dichlorobenzene	13.739	146	297299	52.496	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	22740	57.272	ug/l	67
93) 1,2,4-Trichlorobenzene	15.007	180	199263	56.059	ug/l	100
94) Hexachlorobutadiene	15.111	225	112510	53.356	ug/l	98
95) Naphthalene	15.233	128	424655	62.575	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	175832	56.314	ug/l	99

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

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