

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072222\
 Data File : VY009648.D
 Acq On : 22 Jul 2022 09:26
 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 07/25/2022
 Supervised By :Mahesh Dadoda 07/25/2022

Quant Time: Jul 23 00:34:32 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	207304	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	293443	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	264345	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	139293	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	96223	49.079	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.160%			
35) Dibromofluoromethane	7.710	113	100957	54.610	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.220%			
50) Toluene-d8	10.173	98	378461	53.253	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery = 106.500%			
62) 4-Bromofluorobenzene	12.483	95	124530	54.077	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery = 108.160%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	83396	45.847	ug/l	99
3) Chloromethane	2.107	50	119479	44.323	ug/l	96
4) Vinyl Chloride	2.241	62	137259	48.692	ug/l	99
5) Bromomethane	2.644	94	100225	52.530	ug/l	99
6) Chloroethane	2.784	64	87200	50.925	ug/l	99
7) Trichlorofluoromethane	3.113	101	178774	53.520	ug/l	97
8) Diethyl Ether	3.522	74	56654	51.838	ug/l	80
9) 1,1,2-Trichlorotrifluo...	3.887	101	104787	53.646	ug/l	93
10) Methyl Iodide	4.076	142	133051	51.278	ug/l	89
11) Tert butyl alcohol	4.942	59	40521	202.226	ug/l #	94
12) 1,1-Dichloroethene	3.863	96	99205	52.038	ug/l	81
13) Acrolein	3.717	56	33736	240.685	ug/l	99
14) Allyl chloride	4.473	41	141893	48.115	ug/l #	91
15) Acrylonitrile	5.149	53	135736	251.471	ug/l	98
16) Acetone	3.936	43	126793	255.647	ug/l	90
17) Carbon Disulfide	4.180	76	292142	49.294	ug/l	100
18) Methyl Acetate	4.466	43	61898	44.460	ug/l #	88
19) Methyl tert-butyl Ether	5.210	73	257138	51.178	ug/l	94
20) Methylene Chloride	4.704	84	119969	47.937	ug/l #	83
21) trans-1,2-Dichloroethene	5.204	96	111958	51.888	ug/l	86
22) Diisopropyl ether	6.106	45	313540	49.790	ug/l #	94
23) Vinyl Acetate	6.052	43	995040	250.437	ug/l #	92
24) 1,1-Dichloroethane	6.003	63	187116	51.446	ug/l	98
25) 2-Butanone	6.978	43	180016	248.826	ug/l #	86
26) 2,2-Dichloropropane	6.972	77	165981	50.942	ug/l	93
27) cis-1,2-Dichloroethene	6.978	96	124988	52.393	ug/l	85
28) Bromochloromethane	7.326	49	81023	51.992	ug/l #	77
29) Tetrahydrofuran	7.338	42	114460	240.977	ug/l #	86
30) Chloroform	7.496	83	195412	52.521	ug/l	99
31) Cyclohexane	7.771	56	162660	47.051	ug/l	92
32) 1,1,1-Trichloroethane	7.691	97	177447	53.172	ug/l	95
36) 1,1-Dichloropropene	7.911	75	149869	54.860	ug/l	95
37) Ethyl Acetate	7.064	43	76331	50.203	ug/l #	94
38) Carbon Tetrachloride	7.893	117	161411	56.442	ug/l	99
39) Methylcyclohexane	9.179	83	181893	53.999	ug/l	88
40) Benzene	8.155	78	433998	54.293	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	34976m	47.939	ug/l	
42) 1,2-Dichloroethane	8.228	62	122403	54.585	ug/l	90
43) Isopropyl Acetate	8.265	43	141844	50.913	ug/l #	91
44) Trichloroethene	8.935	130	125778	55.326	ug/l	96
45) 1,2-Dichloropropane	9.210	63	105512	53.800	ug/l	99
46) Dibromomethane	9.301	93	62874	55.199	ug/l	94
47) Bromodichloromethane	9.490	83	148879	55.742	ug/l	98
48) Methyl methacrylate	9.289	41	63890	51.905	ug/l #	85
49) 1,4-Dioxane	9.289	88	15273	1005.939	ug/l #	79
51) 4-Methyl-2-Pentanone	10.069	43	375109	259.310	ug/l	90
52) Toluene	10.240	92	278780	55.057	ug/l	96
53) t-1,3-Dichloropropene	10.459	75	149401	54.158	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	171012	54.521	ug/l #	85
55) 1,1,2-Trichloroethane	10.642	97	89128	55.561	ug/l	98
56) Ethyl methacrylate	10.508	69	113284	55.198	ug/l #	81
57) 1,3-Dichloropropane	10.788	76	144797	54.394	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	306152	273.308	ug/l	93
59) 2-Hexanone	10.831	43	268521	266.889	ug/l	88
60) Dibromochloromethane	10.984	129	109972	56.654	ug/l	100
61) 1,2-Dibromoethane	11.087	107	85005	54.313	ug/l	99
64) Tetrachloroethene	10.715	164	121016	58.496	ug/l	98
65) Chlorobenzene	11.514	112	299956	55.529	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	113964	56.784	ug/l	98
67) Ethyl Benzene	11.593	91	526821	55.451	ug/l	97
68) m/p-Xylenes	11.703	106	426133	112.701	ug/l	90
69) o-Xylene	12.026	106	196532	55.543	ug/l	90
70) Styrene	12.044	104	340301	57.823	ug/l	94
71) Bromoform	12.203	173	72489	57.235	ug/l #	99
73) Isopropylbenzene	12.331	105	524603	54.396	ug/l	100
74) N-amyl acetate	12.142	43	127892	49.862	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	99145	51.333	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	72371m	54.541	ug/l	
77) Bromobenzene	12.605	156	131337	54.155	ug/l	87
78) n-propylbenzene	12.672	91	625603	53.684	ug/l	97
79) 2-Chlorotoluene	12.758	91	347365	53.762	ug/l	94
80) 1,3,5-Trimethylbenzene	12.813	105	437144	54.855	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	34553	51.345	ug/l	88
82) 4-Chlorotoluene	12.855	91	361702	53.961	ug/l	95
83) tert-Butylbenzene	13.075	119	385332	54.425	ug/l	92
84) 1,2,4-Trimethylbenzene	13.117	105	438854	55.065	ug/l	97
85) sec-Butylbenzene	13.251	105	569404	54.244	ug/l	98
86) p-Isopropyltoluene	13.367	119	487408	55.251	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	259408	54.072	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	257101	54.051	ug/l	97
89) n-Butylbenzene	13.697	91	439035	54.493	ug/l	98
90) Hexachloroethane	13.959	117	91131	53.621	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	230393	54.973	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	15407	52.435	ug/l	68
93) 1,2,4-Trichlorobenzene	15.007	180	145675	55.380	ug/l	99
94) Hexachlorobutadiene	15.111	225	87234	55.902	ug/l	99
95) Naphthalene	15.233	128	278941	55.542	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	127066	54.991	ug/l	99

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

