

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072022\
 Data File : VY009605.D
 Acq On : 20 Jul 2022 10:18
 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 07/21/2022
 Supervised By :Mahesh Dadoda 07/21/2022

Quant Time: Jul 21 02:11:46 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	256124	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	388190	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	350879	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	180097	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	121143	50.011	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.020%	
35) Dibromofluoromethane	7.710	113	125517	51.324	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.640%	
50) Toluene-d8	10.179	98	486583	51.756	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 103.520%	
62) 4-Bromofluorobenzene	12.477	95	167374	54.942	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 109.880%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	105280	46.845	ug/l	100
3) Chloromethane	2.107	50	136230	40.904	ug/l	97
4) Vinyl Chloride	2.241	62	147070	42.228	ug/l	97
5) Bromomethane	2.643	94	102882	43.645	ug/l	98
6) Chloroethane	2.784	64	90861	42.949	ug/l	98
7) Trichlorofluoromethane	3.113	101	207770	50.344	ug/l	94
8) Diethyl Ether	3.521	74	69566	51.520	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.887	101	122065	50.580	ug/l	94
10) Methyl Iodide	4.082	142	165680	51.683	ug/l #	87
11) Tert butyl alcohol	4.942	59	54203	221.604	ug/l #	94
12) 1,1-Dichloroethene	3.863	96	118316	50.233	ug/l #	79
13) Acrolein	3.722	56	38919	224.737	ug/l	99
14) Allyl chloride	4.466	41	186916	51.301	ug/l #	90
15) Acrylonitrile	5.149	53	168677	252.934	ug/l	98
16) Acetone	3.936	43	164041	267.704	ug/l	90
17) Carbon Disulfide	4.180	76	361895	49.425	ug/l	100
18) Methyl Acetate	4.466	43	78057	45.380	ug/l #	91
19) Methyl tert-butyl Ether	5.210	73	328917	52.986	ug/l	98
20) Methylene Chloride	4.704	84	140153	44.652	ug/l #	81
21) trans-1,2-Dichloroethene	5.204	96	137450	51.560	ug/l	87
22) Diisopropyl ether	6.106	45	403592	51.874	ug/l #	93
23) Vinyl Acetate	6.051	43	1287614	262.302	ug/l #	92
24) 1,1-Dichloroethane	6.003	63	233538	51.970	ug/l	98
25) 2-Butanone	6.978	43	233011	260.686	ug/l #	87
26) 2,2-Dichloropropane	6.972	77	206293	51.245	ug/l	93
27) cis-1,2-Dichloroethene	6.972	96	155788	52.856	ug/l	85
28) Bromochloromethane	7.325	49	98646	51.235	ug/l #	78
29) Tetrahydrofuran	7.338	42	146847	250.233	ug/l #	88
30) Chloroform	7.496	83	238716	51.930	ug/l	99
31) Cyclohexane	7.777	56	209752	49.108	ug/l	91
32) 1,1,1-Trichloroethane	7.691	97	214159	51.940	ug/l	95
36) 1,1-Dichloropropene	7.911	75	184647	51.093	ug/l	96
37) Ethyl Acetate	7.063	43	97962	48.704	ug/l #	94
38) Carbon Tetrachloride	7.892	117	193743	51.213	ug/l	99
39) Methylcyclohexane	9.179	83	231687	51.994	ug/l	90
40) Benzene	8.155	78	541157	51.175	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	55238	57.232	ug/l #	41
42) 1,2-Dichloroethane	8.228	62	148459	50.046	ug/l	90
43) Isopropyl Acetate	8.264	43	184687	50.111	ug/l #	90
44) Trichloroethene	8.935	130	155046	51.555	ug/l	96
45) 1,2-Dichloropropane	9.209	63	133999	51.649	ug/l	97
46) Dibromomethane	9.301	93	78401	52.031	ug/l	96
47) Bromodichloromethane	9.490	83	183231	51.859	ug/l	98
48) Methyl methacrylate	9.289	41	84319	51.782	ug/l #	85
49) 1,4-Dioxane	9.295	88	20766	1033.902	ug/l #	88
51) 4-Methyl-2-Pentanone	10.069	43	490714	256.431	ug/l	90
52) Toluene	10.240	92	354757	52.962	ug/l	94
53) t-1,3-Dichloropropene	10.459	75	192603	52.778	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	220369	53.109	ug/l #	86
55) 1,1,2-Trichloroethane	10.642	97	110971	52.293	ug/l	98
56) Ethyl methacrylate	10.508	69	150682	55.500	ug/l #	81
57) 1,3-Dichloropropane	10.788	76	185109	52.565	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	373824	254.445	ug/l	94
59) 2-Hexanone	10.831	43	356064	267.523	ug/l	88
60) Dibromochloromethane	10.983	129	136765	53.260	ug/l	99
61) 1,2-Dibromoethane	11.087	107	109189	52.737	ug/l	100
64) Tetrachloroethene	10.715	164	145718	53.065	ug/l	99
65) Chlorobenzene	11.514	112	376548	52.517	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	140537	52.755	ug/l	97
67) Ethyl Benzene	11.593	91	669996	53.129	ug/l	96
68) m/p-Xylenes	11.703	106	534416	106.482	ug/l	91
69) o-Xylene	12.026	106	253931	54.066	ug/l	91
70) Styrene	12.044	104	429826	55.023	ug/l	94
71) Bromoform	12.203	173	90370	53.756	ug/l #	99
73) Isopropylbenzene	12.325	105	665059	53.336	ug/l	99
74) N-amyl acetate	12.142	43	172981	52.161	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	126515	50.663	ug/l	100
76) 1,2,3-Trichloropropane	12.629	75	91291m	53.212	ug/l	
77) Bromobenzene	12.605	156	165120	52.660	ug/l	90
78) n-propylbenzene	12.672	91	800969	53.159	ug/l	97
79) 2-Chlorotoluene	12.751	91	443872	53.134	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	554848	53.850	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	45646	52.462	ug/l #	85
82) 4-Chlorotoluene	12.855	91	462211	53.333	ug/l	96
83) tert-Butylbenzene	13.074	119	492580	53.810	ug/l	92
84) 1,2,4-Trimethylbenzene	13.117	105	551318	53.503	ug/l	97
85) sec-Butylbenzene	13.251	105	725496	53.455	ug/l	99
86) p-Isopropyltoluene	13.367	119	615780	53.988	ug/l	96
87) 1,3-Dichlorobenzene	13.361	146	325758	52.518	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	319412	51.936	ug/l	98
89) n-Butylbenzene	13.696	91	570397	54.758	ug/l	98
90) Hexachloroethane	13.958	117	115170	52.412	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	285516	52.691	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	20538	54.061	ug/l	71
93) 1,2,4-Trichlorobenzene	15.007	180	187519	55.136	ug/l	98
94) Hexachlorobutadiene	15.111	225	108227	53.641	ug/l	99
95) Naphthalene	15.233	128	371903	57.275	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	165506	55.399	ug/l	99

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

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