

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072622\
 Data File : VY009697.D
 Acq On : 26 Jul 2022 13:17
 Operator : KP/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 07/27/2022
 Supervised By :Mahesh Dadoda 07/27/2022

Quant Time: Jul 27 02:15:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y072622S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 27 02:13:05 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	238622	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	356260	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	328993	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	158602	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	151605	82.668	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 165.340%#			
35) Dibromofluoromethane	7.710	113	178748	92.042	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 184.080%#			
50) Toluene-d8	10.173	98	542265	83.697	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery = 167.400%#			
62) 4-Bromofluorobenzene	12.477	95	237375	91.950	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery = 183.900%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	188115	90.223	ug/l	99
3) Chloromethane	2.107	50	247032	94.017	ug/l	97
4) Vinyl Chloride	2.241	62	279872	96.443	ug/l	98
5) Bromomethane	2.631	94	187893	94.225	ug/l	99
6) Chloroethane	2.778	64	168887	97.116	ug/l	97
7) Trichlorofluoromethane	3.113	101	367889	96.319	ug/l	95
8) Diethyl Ether	3.522	74	122810	98.786	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.887	101	209473	96.846	ug/l	95
10) Methyl Iodide	4.076	142	304691	106.855	ug/l #	87
11) Tert butyl alcohol	4.948	59	110441	434.608	ug/l	96
12) 1,1-Dichloroethene	3.857	96	203512	99.948	ug/l	82
13) Acrolein	3.717	56	17975	430.196	ug/l	100
14) Allyl chloride	4.466	41	322912	100.949	ug/l #	91
15) Acrylonitrile	5.149	53	310098	510.846	ug/l	97
16) Acetone	3.936	43	289327	505.417	ug/l	91
17) Carbon Disulfide	4.180	76	637773	101.867	ug/l	100
18) Methyl Acetate	4.466	43	143188	85.281	ug/l #	90
19) Methyl tert-butyl Ether	5.210	73	581934	103.714	ug/l	98
20) Methylene Chloride	4.698	84	253391	65.355	ug/l	84
21) trans-1,2-Dichloroethene	5.204	96	239250	100.445	ug/l	86
22) Diisopropyl ether	6.106	45	705002	102.799	ug/l	94
23) Vinyl Acetate	6.052	43	2346880	554.159	ug/l #	92
24) 1,1-Dichloroethane	6.009	63	394180	99.684	ug/l	99
25) 2-Butanone	6.978	43	438701	518.098	ug/l #	85
26) 2,2-Dichloropropane	6.972	77	354194	94.189	ug/l	93
27) cis-1,2-Dichloroethene	6.978	96	269041	101.337	ug/l	86
28) Bromochloromethane	7.326	49	142854	99.398	ug/l #	81
29) Tetrahydrofuran	7.338	42	282561	525.866	ug/l	88
30) Chloroform	7.496	83	409530	99.144	ug/l	100
31) Cyclohexane	7.777	56	366603	96.883	ug/l	93
32) 1,1,1-Trichloroethane	7.692	97	369559	99.218	ug/l	95
36) 1,1-Dichloropropene	7.911	75	321311	100.762	ug/l	96
37) Ethyl Acetate	7.064	43	185307	98.815	ug/l #	94
38) Carbon Tetrachloride	7.893	117	337338	99.892	ug/l	100
39) Methylcyclohexane	9.179	83	411835	106.025	ug/l	90
40) Benzene	8.155	78	939996	100.520	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	102495m	106.482	ug/l	
42) 1,2-Dichloroethane	8.228	62	262713	100.915	ug/l	91
43) Isopropyl Acetate	8.265	43	344874	104.816	ug/l #	92
44) Trichloroethene	8.935	130	271303	101.298	ug/l	100
45) 1,2-Dichloropropane	9.210	63	229754	100.991	ug/l	96
46) Dibromomethane	9.301	93	139022	101.561	ug/l	95
47) Bromodichloromethane	9.490	83	320522	102.675	ug/l	99
48) Methyl methacrylate	9.289	41	158670	109.689	ug/l #	85
49) 1,4-Dioxane	9.295	88	40805	2293.611	ug/l #	76
51) 4-Methyl-2-Pentanone	10.063	43	923474	549.881	ug/l	90
52) Toluene	10.240	92	614448	105.235	ug/l	95
53) t-1,3-Dichloropropene	10.459	75	345895	107.766	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	386670	104.589	ug/l #	86
55) 1,1,2-Trichloroethane	10.642	97	197017	102.890	ug/l	97
56) Ethyl methacrylate	10.508	69	277904	116.035	ug/l #	80
57) 1,3-Dichloropropane	10.789	76	325153	103.835	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.777	63	645435	618.301	ug/l	94
59) 2-Hexanone	10.831	43	666550	558.098	ug/l	88
60) Dibromochloromethane	10.978	129	244271	105.596	ug/l	99
61) 1,2-Dibromoethane	11.087	107	195868	105.058	ug/l	99
64) Tetrachloroethene	10.715	164	259852	100.634	ug/l	98
65) Chlorobenzene	11.514	112	653891	99.195	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	249520	101.848	ug/l	98
67) Ethyl Benzene	11.587	91	1176994	103.171	ug/l	98
68) m/p-Xylenes	11.697	106	939757	206.143	ug/l	91
69) o-Xylene	12.026	106	447568	104.591	ug/l	91
70) Styrene	12.038	104	766624	106.657	ug/l	94
71) Bromoform	12.203	173	156259	99.453	ug/l #	100
73) Isopropylbenzene	12.325	105	1089257	101.991	ug/l	99
74) N-amyl acetate	12.142	43	297048	104.793	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	198241	92.901	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	137377m	89.102	ug/l	
77) Bromobenzene	12.605	156	261053	97.778	ug/l	86
78) n-propylbenzene	12.666	91	1261514	99.148	ug/l	97
79) 2-Chlorotoluene	12.752	91	705895	98.499	ug/l	94
80) 1,3,5-Trimethylbenzene	12.813	105	903811	102.312	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	75097	99.075	ug/l	86
82) 4-Chlorotoluene	12.855	91	741650	98.792	ug/l	95
83) tert-Butylbenzene	13.075	119	803208	103.274	ug/l	92
84) 1,2,4-Trimethylbenzene	13.117	105	906632	103.846	ug/l	97
85) sec-Butylbenzene	13.252	105	1101407	96.773	ug/l	98
86) p-Isopropyltoluene	13.367	119	964762	99.819	ug/l	96
87) 1,3-Dichlorobenzene	13.361	146	509761	96.992	ug/l	98
88) 1,4-Dichlorobenzene	13.441	146	520139	98.330	ug/l	97
89) n-Butylbenzene	13.690	91	898283	101.657	ug/l	98
90) Hexachloroethane	13.959	117	198027	104.611	ug/l	95
91) 1,2-Dichlorobenzene	13.733	146	479047	101.589	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	36993	106.126	ug/l	69
93) 1,2,4-Trichlorobenzene	15.007	180	319169	107.176	ug/l	99
94) Hexachlorobutadiene	15.111	225	179223	100.233	ug/l	98
95) Naphthalene	15.233	128	649660	116.758	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	277029	107.374	ug/l	99

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

