

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080322\
 Data File : VD073947.D
 Acq On : 03 Aug 2022 18:32
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.02ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/04/2022
 Supervised By :Mahesh Dadoda 08/04/2022

Quant Time: Aug 04 02:54:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 02 05:13:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	151730	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	254090	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	243881	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	126947	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	65149	52.411	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.820%			
35) Dibromofluoromethane	7.908	113	70547	44.687	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 89.380%			
50) Toluene-d8	10.332	98	222890	41.914	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 83.820%			
62) 4-Bromofluorobenzene	12.620	95	88653	45.333	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 90.660%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	60498	45.506	ug/l	96
3) Chloromethane	2.209	50	100461	52.108	ug/l	97
4) Vinyl Chloride	2.344	62	135827	57.129	ug/l	99
5) Bromomethane	2.756	94	75130	44.747	ug/l	98
6) Chloroethane	2.909	64	89783	53.693	ug/l	99
7) Trichlorofluoromethane	3.262	101	218980	85.916	ug/l	99
8) Diethyl Ether	3.703	74	29406	45.841	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.079	101	67949	44.973	ug/l	99
10) Methyl Iodide	4.291	142	71536	43.300	ug/l	98
11) Tert butyl alcohol	5.232	59	24522	279.782	ug/l	96
12) 1,1-Dichloroethene	4.056	96	60850	45.455	ug/l	99
13) Acrolein	3.920	56	30656	320.625	ug/l	92
14) Allyl chloride	4.709	41	77763	42.963	ug/l	96
15) Acrylonitrile	5.409	53	64250	233.959	ug/l	98
16) Acetone	4.156	43	52294	179.880	ug/l	97
17) Carbon Disulfide	4.397	76	185609	45.198	ug/l	100
18) Methyl Acetate	4.715	43	31658	47.833	ug/l	100
19) Methyl tert-butyl Ether	5.479	73	150753	46.514	ug/l	92
20) Methylene Chloride	4.956	84	98432	53.551	ug/l	97
21) trans-1,2-Dichloroethene	5.462	96	73190	45.875	ug/l	93
22) Diisopropyl ether	6.356	45	184871	47.043	ug/l	99
23) Vinyl Acetate	6.297	43	522765	251.698	ug/l	99
24) 1,1-Dichloroethane	6.256	63	122291	46.004	ug/l	97
25) 2-Butanone	7.208	43	85887	231.930	ug/l	98
26) 2,2-Dichloropropane	7.197	77	114359	42.547	ug/l	100
27) cis-1,2-Dichloroethene	7.203	96	79979	44.529	ug/l	98
28) Bromochloromethane	7.544	49	45896	51.738	ug/l	98
29) Tetrahydrofuran	7.556	42	52277	241.604	ug/l	99
30) Chloroform	7.703	83	139300	45.989	ug/l	100
31) Cyclohexane	7.979	56	98777	42.041	ug/l	98
32) 1,1,1-Trichloroethane	7.897	97	127490	44.204	ug/l	98
36) 1,1-Dichloropropene	8.103	75	99303	44.164	ug/l	99
37) Ethyl Acetate	7.285	43	40229	48.041	ug/l	97
38) Carbon Tetrachloride	8.085	117	111075	44.098	ug/l	98
39) Methylcyclohexane	9.344	83	115536	43.838	ug/l	96
40) Benzene	8.344	78	285804	46.322	ug/l	99

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41) Methacrylonitrile	7.514	41	21671	44.830	ug/l	97
42) 1,2-Dichloroethane	8.414	62	88505	46.737	ug/l	99
43) Isopropyl Acetate	8.444	43	78769	47.502	ug/l	98
44) Trichloroethene	9.102	130	77630	41.766	ug/l	94
45) 1,2-Dichloropropane	9.379	63	67757	45.639	ug/l	95
46) Dibromomethane	9.461	93	44836	46.954	ug/l	98
47) Bromodichloromethane	9.650	83	108456	45.853	ug/l	98
48) Methyl methacrylate	9.444	41	38240	49.416	ug/l	100
49) 1,4-Dioxane	9.455	88	9647	958.586	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	202368	244.438	ug/l	99
52) Toluene	10.391	92	189431	45.121	ug/l	99
53) t-1,3-Dichloropropene	10.608	75	99123	45.524	ug/l	98
54) cis-1,3-Dichloropropene	10.079	75	113770	46.153	ug/l	98
55) 1,1,2-Trichloroethane	10.791	97	57698	46.979	ug/l	100
56) Ethyl methacrylate	10.649	69	64072	45.820	ug/l	98
57) 1,3-Dichloropropane	10.932	76	91925	46.247	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.932	63	146733	274.202	ug/l	97
59) 2-Hexanone	10.973	43	138851	247.848	ug/l	99
60) Dibromochloromethane	11.126	129	76008	45.869	ug/l	98
61) 1,2-Dibromoethane	11.232	107	57541	46.223	ug/l	99
64) Tetrachloroethene	10.861	164	66438	38.279	ug/l	98
65) Chlorobenzene	11.655	112	200880	41.549	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.732	131	78219	42.235	ug/l	98
67) Ethyl Benzene	11.732	91	363144	42.526	ug/l	98
68) m/p-Xylenes	11.844	106	298629	88.216	ug/l	99
69) o-Xylene	12.167	106	135525	42.745	ug/l	100
70) Styrene	12.179	104	241297	45.059	ug/l	99
71) Bromoform	12.349	173	46810	46.020	ug/l #	98
73) Isopropylbenzene	12.467	105	357071	40.793	ug/l	98
74) N-amyl acetate	12.273	43	76189	43.466	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.714	83	66366	44.508	ug/l	99
76) 1,2,3-Trichloropropane	12.767	75	42847m	44.534	ug/l	
77) Bromobenzene	12.743	156	83177	40.367	ug/l	95
78) n-propylbenzene	12.808	91	437875	41.135	ug/l	99
79) 2-Chlorotoluene	12.891	91	251265	41.263	ug/l	99
80) 1,3,5-Trimethylbenzene	12.943	105	309767	41.655	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	19505	44.081	ug/l	93
82) 4-Chlorotoluene	12.991	91	263511	41.283	ug/l	98
83) tert-Butylbenzene	13.208	119	266812	41.207	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	315192	42.904	ug/l	99
85) sec-Butylbenzene	13.385	105	404720	41.309	ug/l	99
86) p-Isopropyltoluene	13.496	119	344157	41.819	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	182360	42.380	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	174573	40.957	ug/l	97
89) n-Butylbenzene	13.826	91	319190	42.063	ug/l	98
90) Hexachloroethane	14.090	117	64168	42.549	ug/l	99
91) 1,2-Dichlorobenzene	13.867	146	154561	42.012	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.485	75	11686	46.011	ug/l	89
93) 1,2,4-Trichlorobenzene	15.137	180	88919	38.868	ug/l	100
94) Hexachlorobutadiene	15.243	225	47877	38.520	ug/l	97
95) Naphthalene	15.379	128	170839	40.885	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	79489	40.197	ug/l	97

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

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