

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082322\
 Data File : VD074182.D
 Acq On : 23 Aug 2022 11:11
 Operator : VA/SY
 Sample : VSTDICC020
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/24/2022
 Supervised By :Mahesh Dadoda 08/24/2022

Quant Time: Aug 23 12:47:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D082322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 23 12:44:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.967	168	169641	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	274635	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	253049	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	128321	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	36479	22.759	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	45.520%#		
35) Dibromofluoromethane	7.908	113	37164	20.823	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	41.640%#		
50) Toluene-d8	10.332	98	127085	22.932	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	45.860%#		
62) 4-Bromofluorobenzene	12.620	95	47327	21.145	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	42.300%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	26422	16.125	ug/l	94
3) Chloromethane	2.209	50	18247	10.086	ug/l	93
4) Vinyl Chloride	2.344	62	18559	7.967	ug/l	91
5) Bromomethane	2.750	94	11461	6.189	ug/l	98
6) Chloroethane	2.909	64	12493	6.452	ug/l	100
7) Trichlorofluoromethane	3.267	101	58533	16.291	ug/l	96
8) Diethyl Ether	3.703	74	16048	20.585	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.091	101	35197	18.012	ug/l	94
10) Methyl Iodide	4.291	142	35538	19.527	ug/l	98
11) Tert butyl alcohol	5.226	59	10693	96.253	ug/l #	93
12) 1,1-Dichloroethene	4.062	96	30769	18.855	ug/l	85
13) Acrolein	3.926	56	6556	74.996	ug/l	95
14) Allyl chloride	4.709	41	49215	23.037	ug/l	93
15) Acrylonitrile	5.414	53	38079	120.457	ug/l	97
16) Acetone	4.156	43	32375	95.515	ug/l	92
17) Carbon Disulfide	4.409	76	79183	18.465	ug/l	100
18) Methyl Acetate	4.714	43	19315	22.488	ug/l #	89
19) Methyl tert-butyl Ether	5.467	73	78235	22.044	ug/l	98
20) Methylene Chloride	4.950	84	47065	18.380	ug/l #	83
21) trans-1,2-Dichloroethene	5.461	96	36212	20.174	ug/l	88
22) Diisopropyl ether	6.361	45	108086	24.006	ug/l #	89
23) Vinyl Acetate	6.303	43	262498m	113.302	ug/l	
24) 1,1-Dichloroethane	6.261	63	69074	22.312	ug/l	97
25) 2-Butanone	7.203	43	49682	109.760	ug/l	98
26) 2,2-Dichloropropane	7.203	77	62371	19.956	ug/l	97
27) cis-1,2-Dichloroethene	7.208	96	41762	20.068	ug/l	92
28) Bromochloromethane	7.532	49	20090	18.147	ug/l #	79
29) Tetrahydrofuran	7.556	42	30331	120.169	ug/l	91
30) Chloroform	7.703	83	74643	21.040	ug/l	92
31) Cyclohexane	7.973	56	53640	20.118	ug/l #	89
32) 1,1,1-Trichloroethane	7.903	97	66842	20.136	ug/l	95
36) 1,1-Dichloropropene	8.103	75	52239	20.664	ug/l	96
37) Ethyl Acetate	7.285	43	19502	19.684	ug/l #	89
38) Carbon Tetrachloride	8.091	117	57475	20.116	ug/l	97
39) Methylcyclohexane	9.350	83	57619	20.393	ug/l	98
40) Benzene	8.338	78	148169	20.810	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	15072m	28.874	ug/l	
42) 1,2-Dichloroethane	8.414	62	46173	21.843	ug/l	97
43) Isopropyl Acetate	8.444	43	42605	23.212	ug/l #	93
44) Trichloroethene	9.102	130	41528	20.050	ug/l	95
45) 1,2-Dichloropropane	9.379	63	38107	22.165	ug/l	98
46) Dibromomethane	9.467	93	20662	19.375	ug/l	92
47) Bromodichloromethane	9.649	83	55351	20.205	ug/l #	97
48) Methyl methacrylate	9.450	41	20189	23.654	ug/l	88
49) 1,4-Dioxane	9.450	88	5090	482.111	ug/l	86
51) 4-Methyl-2-Pentanone	10.220	43	108838	115.635	ug/l	94
52) Toluene	10.397	92	99112	21.358	ug/l	93
53) t-1,3-Dichloropropene	10.608	75	48772	20.651	ug/l	98
54) cis-1,3-Dichloropropene	10.079	75	58091	21.081	ug/l	92
55) 1,1,2-Trichloroethane	10.791	97	29618	20.958	ug/l	97
56) Ethyl methacrylate	10.649	69	32838	22.105	ug/l #	85
57) 1,3-Dichloropropane	10.938	76	50430	22.043	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	54610	103.361	ug/l	94
59) 2-Hexanone	10.973	43	72187	112.292	ug/l	95
60) Dibromochloromethane	11.126	129	37893	19.848	ug/l	99
61) 1,2-Dibromoethane	11.238	107	27853	20.110	ug/l	99
64) Tetrachloroethene	10.867	164	34678	20.848	ug/l	93
65) Chlorobenzene	11.655	112	107918	21.123	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.726	131	41562	20.839	ug/l	99
67) Ethyl Benzene	11.732	91	181081	20.640	ug/l	98
68) m/p-Xylenes	11.844	106	144671	41.046	ug/l	99
69) o-Xylene	12.167	106	66243	20.662	ug/l	96
70) Styrene	12.185	104	117112	20.963	ug/l	96
71) Bromoform	12.349	173	21924	21.193	ug/l #	97
73) Isopropylbenzene	12.467	105	177633	20.526	ug/l	98
74) N-amyl acetate	12.279	43	38442	22.631	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.714	83	34135	21.775	ug/l	96
76) 1,2,3-Trichloropropane	12.767	75	27106m	22.691	ug/l	
77) Bromobenzene	12.749	156	42459	20.524	ug/l	89
78) n-propylbenzene	12.808	91	220942	20.642	ug/l	96
79) 2-Chlorotoluene	12.890	91	127421	20.906	ug/l	97
80) 1,3,5-Trimethylbenzene	12.943	105	157912	21.400	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	9302	20.979	ug/l	89
82) 4-Chlorotoluene	12.991	91	137930	21.402	ug/l	99
83) tert-Butylbenzene	13.208	119	133638	21.133	ug/l	95
84) 1,2,4-Trimethylbenzene	13.249	105	153820	20.845	ug/l	96
85) sec-Butylbenzene	13.385	105	201963	20.779	ug/l	99
86) p-Isopropyltoluene	13.502	119	168233	20.741	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	89928	20.576	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	89116	20.442	ug/l	99
89) n-Butylbenzene	13.826	91	156132	20.140	ug/l	99
90) Hexachloroethane	14.090	117	34212	20.309	ug/l	98
91) 1,2-Dichlorobenzene	13.873	146	77061	19.883	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.485	75	5548	20.907	ug/l	89
93) 1,2,4-Trichlorobenzene	15.137	180	45913	18.791	ug/l	99
94) Hexachlorobutadiene	15.243	225	26215	18.153	ug/l	99
95) Naphthalene	15.373	128	79130	18.808	ug/l	98
96) 1,2,3-Trichlorobenzene	15.567	180	41765	19.400	ug/l	95

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

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