

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080522\
 Data File : VD073964.D
 Acq On : 05 Aug 2022 13:58
 Operator : VA/SY
 Sample : VSTDICC005
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

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

Quant Time: Aug 06 00:10:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080522S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 06 00:09:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.967	168	146598	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	245076	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	226235	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	108259	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	8466	6.149	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	12.300%#		
35) Dibromofluoromethane	7.909	113	8387	5.555	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	11.100%#		
50) Toluene-d8	10.326	98	27565	5.742	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	11.480%#		
62) 4-Bromofluorobenzene	12.614	95	10980	5.457	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	10.920%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	9563	6.330	ug/l	82
3) Chloromethane	2.209	50	11549	5.376	ug/l	94
4) Vinyl Chloride	2.344	62	14469	5.002	ug/l	99
5) Bromomethane	2.762	94	11625	5.791	ug/l	92
6) Chloroethane	2.915	64	10849	5.366	ug/l	98
7) Trichlorofluoromethane	3.262	101	15514	5.554	ug/l #	82
8) Diethyl Ether	3.703	74	3537	5.439	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.085	101	8104	5.167	ug/l	98
10) Methyl Iodide	4.285	142	6416	4.156	ug/l #	89
11) Tert butyl alcohol	5.203	59	5781m	45.484	ug/l	
12) 1,1-Dichloroethene	4.056	96	7360	5.308	ug/l	92
13) Acrolein	3.909	56	1020m	14.887	ug/l	
14) Allyl chloride	4.703	41	9523	5.174	ug/l	98
15) Acrylonitrile	5.426	53	7289	26.226	ug/l	99
16) Acetone	4.156	43	8306	33.223	ug/l	96
17) Carbon Disulfide	4.397	76	20168	4.636	ug/l	97
18) Methyl Acetate	4.709	43	6516	8.513	ug/l	91
19) Methyl tert-butyl Ether	5.468	73	15941	4.953	ug/l	93
20) Methylene Chloride	4.956	84	20495	8.397	ug/l	94
21) trans-1,2-Dichloroethene	5.462	96	8451	5.043	ug/l #	90
22) Diisopropyl ether	6.362	45	18473	4.659	ug/l #	83
23) Vinyl Acetate	6.303	43	40796m	19.706	ug/l	
24) 1,1-Dichloroethane	6.250	63	14726	5.394	ug/l #	91
25) 2-Butanone	7.203	43	10516	28.018	ug/l #	84
26) 2,2-Dichloropropane	7.203	77	15222	5.615	ug/l	97
27) cis-1,2-Dichloroethene	7.197	96	9474	5.225	ug/l	99
28) Bromochloromethane	7.538	49	5184	5.937	ug/l #	100
29) Tetrahydrofuran	7.556	42	5218	23.537	ug/l	98
30) Chloroform	7.697	83	16475	5.341	ug/l	85
31) Cyclohexane	7.973	56	13805	5.529	ug/l #	81
32) 1,1,1-Trichloroethane	7.897	97	14791	5.038	ug/l	96
36) 1,1-Dichloropropene	8.103	75	11935	5.007	ug/l	96
37) Ethyl Acetate	7.285	43	5335	6.018	ug/l #	88
38) Carbon Tetrachloride	8.091	117	12726	4.794	ug/l	96
39) Methylcyclohexane	9.344	83	12023	4.411	ug/l	88
40) Benzene	8.338	78	31135	4.810	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	2308m	4.930	ug/l	
42) 1,2-Dichloroethane	8.414	62	10075	5.130	ug/l	95
43) Isopropyl Acetate	8.444	43	8580	4.953	ug/l	97
44) Trichloroethene	9.108	130	9143	4.907	ug/l	79
45) 1,2-Dichloropropane	9.379	63	7569	4.989	ug/l	91
46) Dibromomethane	9.467	93	5128	5.130	ug/l	94
47) Bromodichloromethane	9.650	83	12424	5.103	ug/l	97
48) Methyl methacrylate	9.444	41	3795	4.791	ug/l	98
49) 1,4-Dioxane	9.461	88	1207	113.726	ug/l #	85
51) 4-Methyl-2-Pentanone	10.214	43	20492	23.778	ug/l	100
52) Toluene	10.391	92	20082	4.690	ug/l	98
53) t-1,3-Dichloropropene	10.608	75	10592	4.833	ug/l	91
54) cis-1,3-Dichloropropene	10.079	75	12212	4.886	ug/l	93
55) 1,1,2-Trichloroethane	10.791	97	6284	4.962	ug/l #	90
56) Ethyl methacrylate	10.650	69	6358	4.622	ug/l	94
57) 1,3-Dichloropropane	10.932	76	10174	4.950	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.926	63	12732	24.200	ug/l	96
59) 2-Hexanone	10.973	43	12892	22.585	ug/l	98
60) Dibromochloromethane	11.126	129	8357	4.925	ug/l	99
61) 1,2-Dibromoethane	11.232	107	6159	4.863	ug/l	95
64) Tetrachloroethene	10.861	164	8763	5.521	ug/l #	87
65) Chlorobenzene	11.661	112	22935	5.019	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.732	131	8787	5.028	ug/l	99
67) Ethyl Benzene	11.732	91	35779	4.511	ug/l	91
68) m/p-Xylenes	11.844	106	28122	8.746	ug/l	98
69) o-Xylene	12.161	106	12561	4.254	ug/l	92
70) Styrene	12.179	104	20774	4.118	ug/l	94
71) Bromoform	12.344	173	5043	5.050	ug/l #	92
73) Isopropylbenzene	12.467	105	33386	4.508	ug/l	100
74) N-amyl acetate	12.273	43	6734	4.583	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	7162	5.334	ug/l	89
76) 1,2,3-Trichloropropane	12.767	75	5755m	6.178	ug/l	
77) Bromobenzene	12.744	156	8584	4.920	ug/l	88
78) n-propylbenzene	12.802	91	43327	4.753	ug/l	95
79) 2-Chlorotoluene	12.891	91	24279	4.735	ug/l	96
80) 1,3,5-Trimethylbenzene	12.944	105	28752	4.565	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.508	75	2075	5.222	ug/l	97
82) 4-Chlorotoluene	12.985	91	26848	4.915	ug/l	98
83) tert-Butylbenzene	13.208	119	24167	4.473	ug/l	96
84) 1,2,4-Trimethylbenzene	13.249	105	27874	4.422	ug/l	99
85) sec-Butylbenzene	13.385	105	38024	4.602	ug/l	99
86) p-Isopropyltoluene	13.502	119	32456	4.632	ug/l	98
87) 1,3-Dichlorobenzene	13.496	146	18384	5.033	ug/l	98
88) 1,4-Dichlorobenzene	13.579	146	19042	5.192	ug/l	94
89) n-Butylbenzene	13.826	91	30092	4.678	ug/l	98
90) Hexachloroethane	14.085	117	6766	4.974	ug/l	94
91) 1,2-Dichlorobenzene	13.873	146	15815	5.024	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.485	75	1171	5.320	ug/l	78
93) 1,2,4-Trichlorobenzene	15.138	180	9601	5.118	ug/l	94
94) Hexachlorobutadiene	15.243	225	4769	4.610	ug/l	77
95) Naphthalene	15.373	128	16317	4.751	ug/l	99
96) 1,2,3-Trichlorobenzene	15.567	180	8577	5.070	ug/l	90

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

