

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101122\
 Data File : VD074511.D
 Acq On : 11 Oct 2022 11:08
 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 10/12/2022
 Supervised By :Mahesh Dadoda 10/13/2022

Quant Time: Oct 12 13:03:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101122S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 12 03:06:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	102159	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	177865	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	149793	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	67733	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	4790	8.873	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	17.740%#		
35) Dibromofluoromethane	7.804	113	5985	7.290	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	14.580%#		
50) Toluene-d8	10.269	98	22618	9.471	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	18.940%#		
62) 4-Bromofluorobenzene	12.569	95	6613	5.645	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	11.300%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.928	85	5299	5.377	ug/l	94
3) Chloromethane	2.146	50	6509	5.331	ug/l	93
4) Vinyl Chloride	2.281	62	6016	4.760	ug/l	97
5) Bromomethane	2.687	94	4739	5.521	ug/l	82
6) Chloroethane	2.828	64	3735	4.506	ug/l	92
7) Trichlorofluoromethane	3.169	101	9964	5.213	ug/l	92
8) Diethyl Ether	3.593	74	2753	4.700	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.963	101	6739	5.212	ug/l	94
10) Methyl Iodide	4.163	142	5475	8.088	ug/l #	92
11) Tert butyl alcohol	5.010	59	10499	22.763	ug/l #	85
12) 1,1-Dichloroethene	3.940	96	6586	5.011	ug/l #	80
13) Acrolein	3.793	56	1308	22.687	ug/l	89
14) Allyl chloride	4.563	41	7106	4.903	ug/l	99
15) Acrylonitrile	5.246	53	5473	23.690	ug/l	94
16) Acetone	4.022	43	5542	28.247	ug/l	91
17) Carbon Disulfide	4.269	76	20055	5.160	ug/l	96
18) Methyl Acetate	4.569	43	3470	5.868	ug/l #	79
19) Methyl tert-butyl Ether	5.310	73	11444	4.557	ug/l	92
20) Methylene Chloride	4.799	84	13582	2.665	ug/l	95
21) trans-1,2-Dichloroethene	5.305	96	6975	4.834	ug/l #	92
22) Diisopropyl ether	6.210	45	13590	4.691	ug/l #	95
23) Vinyl Acetate	6.152	43	28285m	21.954	ug/l	
24) 1,1-Dichloroethane	6.110	63	11512	5.178	ug/l	99
25) 2-Butanone	7.081	43	7636	29.002	ug/l	90
26) 2,2-Dichloropropane	7.075	77	10974	5.562	ug/l	94
27) cis-1,2-Dichloroethene	7.075	96	7257	4.775	ug/l	85
28) Bromochloromethane	7.422	49	2732	4.674	ug/l #	92
29) Tetrahydrofuran	7.446	42	3602	24.907	ug/l	95
30) Chloroform	7.587	83	11619	5.295	ug/l	100
31) Cyclohexane	7.875	56	11436	6.158	ug/l #	86
32) 1,1,1-Trichloroethane	7.793	97	10479	5.339	ug/l	98
36) 1,1-Dichloropropene	8.004	75	8835	5.135	ug/l	98
37) Ethyl Acetate	7.163	43	3011	5.430	ug/l #	74
38) Carbon Tetrachloride	7.987	117	7644	4.830	ug/l #	83
39) Methylcyclohexane	9.269	83	10624	4.993	ug/l	95
40) Benzene	8.251	78	27166	5.353	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	1660	4.973	ug/l #	36
42) 1,2-Dichloroethane	8.328	62	6651	5.565	ug/l	91
43) Isopropyl Acetate	8.357	43	5063	4.931	ug/l #	79
44) Trichloroethene	9.028	130	7663	5.332	ug/l	93
45) 1,2-Dichloropropane	9.304	63	5965	5.162	ug/l	100
46) Dibromomethane	9.393	93	3242	5.038	ug/l	96
47) Bromodichloromethane	9.587	83	8147	5.090	ug/l	95
48) Methyl methacrylate	9.375	41	2596	5.253	ug/l	85
49) 1,4-Dioxane	9.393	88	657	101.506	ug/l #	67
51) 4-Methyl-2-Pentanone	10.157	43	11766	23.223	ug/l	98
52) Toluene	10.340	92	15893	4.925	ug/l	99
53) t-1,3-Dichloropropene	10.557	75	6524	4.602	ug/l	90
54) cis-1,3-Dichloropropene	10.016	75	8235	4.626	ug/l	95
55) 1,1,2-Trichloroethane	10.734	97	3860	4.451	ug/l	95
56) Ethyl methacrylate	10.598	69	4301	4.355	ug/l	91
57) 1,3-Dichloropropane	10.881	76	7071	4.936	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	4445	21.800	ug/l	95
59) 2-Hexanone	10.916	43	7632	22.461	ug/l	97
60) Dibromochloromethane	11.069	129	5081	4.853	ug/l	99
61) 1,2-Dibromoethane	11.181	107	3663	4.546	ug/l	92
64) Tetrachloroethene	10.810	164	6194	5.581	ug/l	98
65) Chlorobenzene	11.604	112	16439	5.096	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.675	131	5488	5.047	ug/l	97
67) Ethyl Benzene	11.681	91	28525	4.990	ug/l	100
68) m/p-Xylenes	11.792	106	22536	9.900	ug/l	99
69) o-Xylene	12.116	106	10233	4.849	ug/l	99
70) Styrene	12.134	104	17455	4.882	ug/l	100
71) Bromoform	12.298	173	2544	4.680	ug/l #	95
73) Isopropylbenzene	12.416	105	27001	5.016	ug/l	97
74) N-amyl acetate	12.228	43	4112	4.881	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.669	83	4373	5.120	ug/l	97
76) 1,2,3-Trichloropropane	12.716	75	3238m	6.374	ug/l	
77) Bromobenzene	12.692	156	6340	5.187	ug/l	94
78) n-propylbenzene	12.757	91	33168	5.078	ug/l	99
79) 2-Chlorotoluene	12.845	91	18297	5.246	ug/l	93
80) 1,3,5-Trimethylbenzene	12.898	105	21850	4.988	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.463	75	1054	4.482	ug/l	97
82) 4-Chlorotoluene	12.939	91	18233	5.153	ug/l	98
83) tert-Butylbenzene	13.163	119	19065	4.979	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	21823	5.032	ug/l	100
85) sec-Butylbenzene	13.339	105	29623	5.082	ug/l	99
86) p-Isopropyltoluene	13.457	119	23836	4.898	ug/l	99
87) 1,3-Dichlorobenzene	13.451	146	13109	5.274	ug/l	99
88) 1,4-Dichlorobenzene	13.533	146	13443	5.468	ug/l	96
89) n-Butylbenzene	13.781	91	23073	5.075	ug/l	97
90) Hexachloroethane	14.051	117	4397	5.091	ug/l	85
91) 1,2-Dichlorobenzene	13.828	146	11302	5.316	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.439	75	610	5.076	ug/l	89
93) 1,2,4-Trichlorobenzene	15.098	180	7211	5.154	ug/l	98
94) Hexachlorobutadiene	15.198	225	3616	4.949	ug/l	93
95) Naphthalene	15.322	128	12526	4.775	ug/l	98
96) 1,2,3-Trichlorobenzene	15.516	180	5956	4.933	ug/l	99

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

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