

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101122\
 Data File : VD074520.D
 Acq On : 11 Oct 2022 17:35
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD101122

Quant Time: Oct 12 03:09:44 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

Manual Integrations APPROVED

Reviewed By :Krupa Patel 10/12/2022
 Supervised By :Mahesh Dadoda 10/13/2022

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	109901	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	183835	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	150138	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	68781	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	47589	52.593	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.180%			
35) Dibromofluoromethane	7.804	113	55469	52.729	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.460%			
50) Toluene-d8	10.269	98	197506	48.606	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.220%			
62) 4-Bromofluorobenzene	12.569	95	55472	45.818	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 91.640%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	49205	46.414	ug/l	95
3) Chloromethane	2.146	50	55126	41.969	ug/l	95
4) Vinyl Chloride	2.281	62	61720	45.396	ug/l	95
5) Bromomethane	2.687	94	43026	46.591	ug/l	97
6) Chloroethane	2.828	64	40646	45.580	ug/l	95
7) Trichlorofluoromethane	3.169	101	92598	45.035	ug/l	95
8) Diethyl Ether	3.593	74	29518	46.848	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.958	101	62756	45.117	ug/l	98
10) Methyl Iodide	4.157	142	78582	42.245	ug/l	98
11) Tert butyl alcohol	5.040	59	26539	228.649	ug/l	99
12) 1,1-Dichloroethene	3.934	96	63101	44.629	ug/l	99
13) Acrolein	3.799	56	10318	233.227	ug/l	98
14) Allyl chloride	4.557	41	71164	45.644	ug/l	100
15) Acrylonitrile	5.252	53	60618	243.904	ug/l	98
16) Acetone	4.016	43	47930	227.083	ug/l	96
17) Carbon Disulfide	4.263	76	182023	43.530	ug/l	96
18) Methyl Acetate	4.557	43	27933	43.908	ug/l	99
19) Methyl tert-butyl Ether	5.310	73	131109	48.528	ug/l	99
20) Methylene Chloride	4.793	84	77864	45.518	ug/l	89
21) trans-1,2-Dichloroethene	5.304	96	70302	45.289	ug/l	93
22) Diisopropyl ether	6.210	45	144605	46.403	ug/l	93
23) Vinyl Acetate	6.152	43	358824	258.888	ug/l	97
24) 1,1-Dichloroethane	6.110	63	108120	45.209	ug/l	99
25) 2-Butanone	7.075	43	67402	237.961	ug/l	93
26) 2,2-Dichloropropane	7.075	77	96251	45.349	ug/l	100
27) cis-1,2-Dichloroethene	7.075	96	75714	46.312	ug/l	99
28) Bromochloromethane	7.428	49	31460	50.030	ug/l	95
29) Tetrahydrofuran	7.440	42	40214	258.479	ug/l	96
30) Chloroform	7.593	83	112617	47.704	ug/l	100
31) Cyclohexane	7.869	56	90494	45.297	ug/l	98
32) 1,1,1-Trichloroethane	7.787	97	100056	47.384	ug/l	98
36) 1,1-Dichloropropene	8.004	75	86003	48.359	ug/l	99
37) Ethyl Acetate	7.169	43	28137	49.094	ug/l	97
38) Carbon Tetrachloride	7.987	117	83346	50.957	ug/l	99
39) Methylcyclohexane	9.269	83	99879	45.415	ug/l	93
40) Benzene	8.251	78	255870	48.778	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.398	41	14853	43.055	ug/l #	90
42) 1,2-Dichloroethane	8.322	62	59805	48.414	ug/l	99
43) Isopropyl Acetate	8.357	43	57031	53.737	ug/l	97
44) Trichloroethene	9.028	130	72205	48.607	ug/l	99
45) 1,2-Dichloropropane	9.304	63	54430	45.574	ug/l	96
46) Dibromomethane	9.393	93	31045	46.678	ug/l	94
47) Bromodichloromethane	9.581	83	76503	46.249	ug/l	96
48) Methyl methacrylate	9.381	41	24797	48.549	ug/l	94
49) 1,4-Dioxane	9.381	88	7050	1053.842	ug/l	96
51) 4-Methyl-2-Pentanone	10.157	43	134675	257.181	ug/l	99
52) Toluene	10.334	92	149808	44.913	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	71031	48.477	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	87315	47.459	ug/l	99
55) 1,1,2-Trichloroethane	10.734	97	43487	48.516	ug/l	95
56) Ethyl methacrylate	10.592	69	50934	49.904	ug/l	96
57) 1,3-Dichloropropane	10.875	76	70563	47.655	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	54788	259.978	ug/l	97
59) 2-Hexanone	10.916	43	91706	261.128	ug/l	99
60) Dibromochloromethane	11.069	129	50675	46.831	ug/l	98
61) 1,2-Dibromoethane	11.175	107	40458	48.582	ug/l	98
64) Tetrachloroethene	10.810	164	52769	47.438	ug/l	96
65) Chlorobenzene	11.604	112	158011	48.871	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.675	131	53842	49.401	ug/l	97
67) Ethyl Benzene	11.681	91	287183	50.118	ug/l	98
68) m/p-Xylenes	11.792	106	221976	97.294	ug/l	99
69) o-Xylene	12.116	106	105440	49.845	ug/l	95
70) Styrene	12.128	104	178092	49.694	ug/l	99
71) Bromoform	12.292	173	28675	52.624	ug/l #	97
73) Isopropylbenzene	12.416	105	275458	50.393	ug/l	99
74) N-amyl acetate	12.228	43	46051	53.831	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.669	83	46018	53.053	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	26163m	50.718	ug/l	
77) Bromobenzene	12.698	156	61992	49.945	ug/l	97
78) n-propylbenzene	12.757	91	330850	49.884	ug/l	99
79) 2-Chlorotoluene	12.845	91	175942	49.675	ug/l	99
80) 1,3,5-Trimethylbenzene	12.898	105	218586	49.142	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.463	75	13298	55.681	ug/l	93
82) 4-Chlorotoluene	12.945	91	176574	49.145	ug/l	100
83) tert-Butylbenzene	13.163	119	195268	50.217	ug/l	99
84) 1,2,4-Trimethylbenzene	13.204	105	219394	49.818	ug/l	99
85) sec-Butylbenzene	13.339	105	290224	49.031	ug/l	99
86) p-Isopropyltoluene	13.457	119	244112	49.400	ug/l	99
87) 1,3-Dichlorobenzene	13.451	146	121222	48.027	ug/l	99
88) 1,4-Dichlorobenzene	13.533	146	120491	48.266	ug/l	100
89) n-Butylbenzene	13.781	91	230294	49.877	ug/l	99
90) Hexachloroethane	14.045	117	42448	48.402	ug/l	97
91) 1,2-Dichlorobenzene	13.828	146	106345	49.256	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	6726	55.114	ug/l	90
93) 1,2,4-Trichlorobenzene	15.092	180	71371	50.233	ug/l	100
94) Hexachlorobutadiene	15.198	225	35520	47.872	ug/l	100
95) Naphthalene	15.327	128	142201	53.387	ug/l	99
96) 1,2,3-Trichlorobenzene	15.516	180	61650	50.287	ug/l	99

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

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