

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111122\
 Data File : VD074889.D
 Acq On : 11 Nov 2022 14:11
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD111122

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/14/2022
 Supervised By :Mahesh Dadoda 11/14/2022

Quant Time: Nov 14 00:55:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 14 00:51:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	168698	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	256491	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	231257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	110530	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	55427	49.373	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.740%		
35) Dibromofluoromethane	7.805	113	76407	48.326	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.660%		
50) Toluene-d8	10.269	98	249227	47.853	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	95.700%		
62) 4-Bromofluorobenzene	12.575	95	79816	49.908	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	99.820%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	57501	51.041	ug/l	96
3) Chloromethane	2.146	50	90215	51.105	ug/l	95
4) Vinyl Chloride	2.281	62	117920	49.851	ug/l	100
5) Bromomethane	2.687	94	100458	56.684	ug/l	94
6) Chloroethane	2.834	64	86078	49.554	ug/l	99
7) Trichlorofluoromethane	3.170	101	136258	50.556	ug/l	96
8) Diethyl Ether	3.593	74	40525	52.443	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.964	101	87286	50.750	ug/l	99
10) Methyl Iodide	4.164	142	100007	48.999	ug/l	99
11) Tert butyl alcohol	5.058	59	21673	267.587	ug/l #	91
12) 1,1-Dichloroethene	3.940	96	87331	52.128	ug/l	93
13) Acrolein	3.793	56	11208	237.132	ug/l	100
14) Allyl chloride	4.558	41	93843	52.368	ug/l	99
15) Acrylonitrile	5.252	53	79463	263.142	ug/l	99
16) Acetone	4.017	43	79943	287.057	ug/l	99
17) Carbon Disulfide	4.264	76	241828	50.741	ug/l	97
18) Methyl Acetate	4.558	43	35750	49.145	ug/l	99
19) Methyl tert-butyl Ether	5.317	73	178882	53.332	ug/l	95
20) Methylene Chloride	4.799	84	126642	54.847	ug/l	92
21) trans-1,2-Dichloroethene	5.311	96	99998	52.636	ug/l	92
22) Diisopropyl ether	6.216	45	217440	54.440	ug/l	96
23) Vinyl Acetate	6.158	43	476602	278.020	ug/l	98
24) 1,1-Dichloroethane	6.111	63	152228	51.036	ug/l	100
25) 2-Butanone	7.081	43	97128	266.706	ug/l	93
26) 2,2-Dichloropropane	7.075	77	142689	50.904	ug/l	99
27) cis-1,2-Dichloroethene	7.081	96	110868	52.603	ug/l	100
28) Bromochloromethane	7.422	49	48052	49.935	ug/l	97
29) Tetrahydrofuran	7.446	42	54826	271.980	ug/l	95
30) Chloroform	7.599	83	169355	51.844	ug/l	98
31) Cyclohexane	7.875	56	119451	48.569	ug/l	99
32) 1,1,1-Trichloroethane	7.793	97	146314	51.972	ug/l	98
36) 1,1-Dichloropropene	8.005	75	112238	48.302	ug/l	99
37) Ethyl Acetate	7.169	43	40975	52.551	ug/l	97
38) Carbon Tetrachloride	7.993	117	105279	48.132	ug/l	98
39) Methylcyclohexane	9.275	83	134395	53.988	ug/l	95
40) Benzene	8.252	78	329934	49.379	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	22528m	54.475	ug/l	
42) 1,2-Dichloroethane	8.328	62	77791	48.648	ug/l	99
43) Isopropyl Acetate	8.358	43	69938	50.927	ug/l	96
44) Trichloroethene	9.028	130	92287	52.280	ug/l	97
45) 1,2-Dichloropropane	9.305	63	77383	51.544	ug/l	92
46) Dibromomethane	9.399	93	42863	50.980	ug/l	94
47) Bromodichloromethane	9.587	83	109457	52.456	ug/l	96
48) Methyl methacrylate	9.381	41	32442	53.328	ug/l	93
49) 1,4-Dioxane	9.381	88	8448	1023.964	ug/l	89
51) 4-Methyl-2-Pentanone	10.157	43	183589	280.419	ug/l	96
52) Toluene	10.334	92	216886	54.289	ug/l	100
53) t-1,3-Dichloropropene	10.552	75	99060	53.740	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	120351	53.239	ug/l	92
55) 1,1,2-Trichloroethane	10.734	97	62096	53.115	ug/l	97
56) Ethyl methacrylate	10.599	69	70019	49.580	ug/l	95
57) 1,3-Dichloropropane	10.881	76	98647	52.485	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	115856	235.584	ug/l	96
59) 2-Hexanone	10.922	43	132245	289.757	ug/l	98
60) Dibromochloromethane	11.075	129	73040	52.665	ug/l	100
61) 1,2-Dibromoethane	11.181	107	56657	51.819	ug/l	98
64) Tetrachloroethene	10.810	164	75783	48.876	ug/l	95
65) Chlorobenzene	11.610	112	228002	50.399	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	80715	50.922	ug/l	99
67) Ethyl Benzene	11.687	91	415371	52.701	ug/l	99
68) m/p-Xylenes	11.793	106	328349	104.487	ug/l	99
69) o-Xylene	12.122	106	151066	52.251	ug/l	98
70) Styrene	12.134	104	263166	53.101	ug/l	99
71) Bromoform	12.299	173	40956	49.925	ug/l #	95
73) Isopropylbenzene	12.422	105	402056	52.848	ug/l	99
74) N-amyl acetate	12.234	43	64966	51.903	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.675	83	67454	50.125	ug/l	97
76) 1,2,3-Trichloropropane	12.728	75	45189m	48.881	ug/l	
77) Bromobenzene	12.698	156	88822	49.891	ug/l	94
78) n-propylbenzene	12.763	91	484995	51.863	ug/l	100
79) 2-Chlorotoluene	12.851	91	258690	51.340	ug/l	100
80) 1,3,5-Trimethylbenzene	12.904	105	329653	52.004	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	18727	49.833	ug/l	95
82) 4-Chlorotoluene	12.946	91	271618	51.764	ug/l	98
83) tert-Butylbenzene	13.169	119	283476	51.538	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	327231	52.195	ug/l	100
85) sec-Butylbenzene	13.346	105	428321	51.195	ug/l	100
86) p-Isopropyltoluene	13.463	119	363313	52.223	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	187289	50.572	ug/l	99
88) 1,4-Dichlorobenzene	13.540	146	183415	49.900	ug/l	99
89) n-Butylbenzene	13.787	91	330666	51.195	ug/l	99
90) Hexachloroethane	14.051	117	62884	50.469	ug/l	92
91) 1,2-Dichlorobenzene	13.834	146	157624	50.051	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	8850	47.700	ug/l	91
93) 1,2,4-Trichlorobenzene	15.098	180	97407	50.812	ug/l	99
94) Hexachlorobutadiene	15.204	225	46278	46.801	ug/l	99
95) Naphthalene	15.334	128	184736	51.920	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	82760	49.922	ug/l	98

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

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