

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100522\
 Data File : VD074452.D
 Acq On : 05 Oct 2022 14:18
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/06/2022
 Supervised By :Mahesh Dadoda 10/07/2022

Quant Time: Oct 06 01:24:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100522S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 01:15:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	106080	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	181420	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	166365	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	79007	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	17589	18.817	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	37.640%#		
35) Dibromofluoromethane	7.804	113	27430	20.620	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	41.240%#		
50) Toluene-d8	10.269	98	65280	15.484	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	30.960%#		
62) 4-Bromofluorobenzene	12.569	95	40212	24.255	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	48.500%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	16552	18.099	ug/l	98
3) Chloromethane	2.140	50	25574	26.736	ug/l	97
4) Vinyl Chloride	2.275	62	21384	25.596	ug/l	96
5) Bromomethane	2.664	94	11576	19.082	ug/l	98
6) Chloroethane	2.828	64	14081	25.212	ug/l	100
7) Trichlorofluoromethane	3.169	101	35024	19.673	ug/l	96
8) Diethyl Ether	3.593	74	11152	21.132	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.958	101	22875	19.237	ug/l	98
10) Methyl Iodide	4.158	142	22019	20.154	ug/l	99
11) Tert butyl alcohol	5.022	59	14873	86.992	ug/l #	84
12) 1,1-Dichloroethene	3.934	96	23923	20.895	ug/l	96
13) Acrolein	3.805	56	6713	102.844	ug/l	95
14) Allyl chloride	4.552	41	28388	23.588	ug/l	97
15) Acrylonitrile	5.252	53	21749	98.887	ug/l	98
16) Acetone	4.022	43	16915	87.363	ug/l	99
17) Carbon Disulfide	4.263	76	77138	27.317	ug/l	99
18) Methyl Acetate	4.558	43	10943	18.602	ug/l	99
19) Methyl tert-butyl Ether	5.316	73	47687	19.842	ug/l #	91
20) Methylene Chloride	4.799	84	34511	19.587	ug/l #	87
21) trans-1,2-Dichloroethene	5.305	96	27432	22.513	ug/l	92
22) Diisopropyl ether	6.216	45	57776	21.594	ug/l	95
23) Vinyl Acetate	6.157	43	122952m	105.827	ug/l	
24) 1,1-Dichloroethane	6.110	63	41980	20.967	ug/l	97
25) 2-Butanone	7.081	43	24058	94.644	ug/l	99
26) 2,2-Dichloropropane	7.069	77	35576	19.308	ug/l	98
27) cis-1,2-Dichloroethene	7.081	96	29022	20.646	ug/l	96
28) Bromochloromethane	7.416	49	12714	20.251	ug/l	85
29) Tetrahydrofuran	7.440	42	14799	105.023	ug/l	95
30) Chloroform	7.593	83	43754	19.857	ug/l	99
31) Cyclohexane	7.875	56	35917	22.016	ug/l	93
32) 1,1,1-Trichloroethane	7.793	97	37044	19.528	ug/l	97
36) 1,1-Dichloropropene	8.004	75	33625	20.317	ug/l	98
37) Ethyl Acetate	7.169	43	10731	19.695	ug/l	98
38) Carbon Tetrachloride	7.987	117	28735	18.377	ug/l	89
39) Methylcyclohexane	9.275	83	39879	19.939	ug/l	95
40) Benzene	8.252	78	95160	19.530	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	6604	20.762	ug/l #	85
42) 1,2-Dichloroethane	8.322	62	22249	18.318	ug/l	97
43) Isopropyl Acetate	8.363	43	19732	18.633	ug/l	95
44) Trichloroethene	9.028	130	26813	18.244	ug/l	97
45) 1,2-Dichloropropane	9.304	63	22077	19.201	ug/l	95
46) Dibromomethane	9.399	93	12076	17.854	ug/l	91
47) Bromodichloromethane	9.581	83	29741	17.187	ug/l	96
48) Methyl methacrylate	9.381	41	8998	19.051	ug/l	95
49) 1,4-Dioxane	9.393	88	2690	411.715	ug/l	98
51) 4-Methyl-2-Pentanone	10.157	43	50406	92.348	ug/l	94
52) Toluene	10.334	92	59820	18.917	ug/l	94
53) t-1,3-Dichloropropene	10.551	75	27184	18.424	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	34125	18.338	ug/l	97
55) 1,1,2-Trichloroethane	10.734	97	17000	18.143	ug/l	98
56) Ethyl methacrylate	10.598	69	18571	17.467	ug/l #	89
57) 1,3-Dichloropropane	10.881	76	27804	17.981	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	14825	83.365	ug/l	94
59) 2-Hexanone	10.922	43	33221	88.942	ug/l	99
60) Dibromochloromethane	11.075	129	20412	17.518	ug/l	98
61) 1,2-Dibromoethane	11.175	107	15873	17.384	ug/l	96
64) Tetrachloroethene	10.804	164	21147	16.503	ug/l	93
65) Chlorobenzene	11.604	112	64595	18.154	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	21629	17.040	ug/l	98
67) Ethyl Benzene	11.681	91	115069	18.292	ug/l	100
68) m/p-Xylenes	11.787	106	91636	37.117	ug/l	99
69) o-Xylene	12.116	106	42769	18.769	ug/l	98
70) Styrene	12.134	104	73010	18.416	ug/l	100
71) Bromoform	12.292	173	11098	15.996	ug/l #	97
73) Isopropylbenzene	12.416	105	111908	19.008	ug/l	99
74) N-amyl acetate	12.228	43	18366	19.431	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.669	83	18466	18.054	ug/l	97
76) 1,2,3-Trichloropropane	12.716	75	12284m	19.919	ug/l	
77) Bromobenzene	12.698	156	25323	18.333	ug/l	96
78) n-propylbenzene	12.757	91	136942	19.249	ug/l	99
79) 2-Chlorotoluene	12.845	91	73658	19.262	ug/l	99
80) 1,3,5-Trimethylbenzene	12.898	105	94641	19.386	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.463	75	4753	18.144	ug/l	93
82) 4-Chlorotoluene	12.945	91	75940	19.355	ug/l	97
83) tert-Butylbenzene	13.163	119	78583	17.923	ug/l	99
84) 1,2,4-Trimethylbenzene	13.204	105	92716	19.137	ug/l	99
85) sec-Butylbenzene	13.339	105	124344	18.866	ug/l	100
86) p-Isopropyltoluene	13.457	119	101382	18.479	ug/l	99
87) 1,3-Dichlorobenzene	13.451	146	52140	18.344	ug/l	98
88) 1,4-Dichlorobenzene	13.534	146	50549	17.844	ug/l	96
89) n-Butylbenzene	13.781	91	95324	18.640	ug/l	98
90) Hexachloroethane	14.045	117	17187	17.654	ug/l	91
91) 1,2-Dichlorobenzene	13.822	146	43954	17.828	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	2704	21.025	ug/l	83
93) 1,2,4-Trichlorobenzene	15.092	180	27396	16.468	ug/l	98
94) Hexachlorobutadiene	15.198	225	14391	15.877	ug/l	97
95) Naphthalene	15.328	128	52128	17.115	ug/l	99
96) 1,2,3-Trichlorobenzene	15.516	180	23565	16.554	ug/l	97

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

