

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052322\
 Data File : VD073276.D
 Acq On : 23 May 2022 11:55
 Operator : VA/SY
 Sample : VD0523SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0523SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/24/2022
 Supervised By :Mahesh Dadoda 05/24/2022

Quant Time: May 24 03:25:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	320067	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	538939	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	521804	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	258197	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	181665	51.359	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.720%			
35) Dibromofluoromethane	7.908	113	186626	52.478	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.960%			
50) Toluene-d8	10.332	98	679624	51.843	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.680%			
62) 4-Bromofluorobenzene	12.620	95	245494	53.361	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 106.720%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	74274	23.224	ug/l	95
3) Chloromethane	2.209	50	70969	19.624	ug/l	98
4) Vinyl Chloride	2.350	62	68554	20.731	ug/l	96
5) Bromomethane	2.756	94	47680	20.075	ug/l	91
6) Chloroethane	2.914	64	42715	21.012	ug/l	91
7) Trichlorofluoromethane	3.273	101	128510	21.978	ug/l	99
8) Diethyl Ether	3.714	74	34065	21.201	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.085	101	75908	21.757	ug/l	96
10) Methyl Iodide	4.297	142	69183	18.379	ug/l	98
11) Tert butyl alcohol	5.220	59	27985	50.993	ug/l #	92
12) 1,1-Dichloroethene	4.061	96	67317	20.928	ug/l	87
13) Acrolein	3.920	56	25578	107.934	ug/l	100
14) Allyl chloride	4.708	41	103106	19.858	ug/l #	91
15) Acrylonitrile	5.414	53	79815	108.632	ug/l	98
16) Acetone	4.150	43	60211	98.275	ug/l	92
17) Carbon Disulfide	4.409	76	200577	18.810	ug/l #	95
18) Methyl Acetate	4.726	43	37748	22.157	ug/l	93
19) Methyl tert-butyl Ether	5.479	73	148398	20.251	ug/l	94
20) Methylene Chloride	4.956	84	86050	19.725	ug/l #	83
21) trans-1,2-Dichloroethene	5.461	96	79227	20.371	ug/l	86
22) Diisopropyl ether	6.361	45	233439	21.448	ug/l	97
23) Vinyl Acetate	6.303	43	596929	102.819	ug/l	96
24) 1,1-Dichloroethane	6.255	63	148400	21.242	ug/l	99
25) 2-Butanone	7.208	43	89800	100.182	ug/l	93
26) 2,2-Dichloropropane	7.202	77	123433	20.717	ug/l	97
27) cis-1,2-Dichloroethene	7.208	96	88979	20.677	ug/l	92
28) Bromochloromethane	7.544	49	45386	18.857	ug/l #	78
29) Tetrahydrofuran	7.555	42	59397	102.478	ug/l	90
30) Chloroform	7.702	83	155459	21.314	ug/l	97
31) Cyclohexane	7.979	56	124418	20.128	ug/l	95
32) 1,1,1-Trichloroethane	7.897	97	139637	21.889	ug/l	94
36) 1,1-Dichloropropene	8.108	75	110782	20.712	ug/l	94
37) Ethyl Acetate	7.285	43	43057	20.381	ug/l #	94
38) Carbon Tetrachloride	8.091	117	118513	21.859	ug/l	94
39) Methylcyclohexane	9.349	83	122565	20.562	ug/l	98
40) Benzene	8.349	78	329336	21.365	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	17627m	14.320	ug/l	
42) 1,2-Dichloroethane	8.420	62	91976	21.444	ug/l	95
43) Isopropyl Acetate	8.449	43	83123	21.286	ug/l #	92
44) Trichloroethene	9.108	130	88996	21.651	ug/l	95
45) 1,2-Dichloropropane	9.385	63	85426	22.006	ug/l	99
46) Dibromomethane	9.467	93	46045	21.596	ug/l	97
47) Bromodichloromethane	9.655	83	120195	22.033	ug/l	99
48) Methyl methacrylate	9.449	41	42215	21.487	ug/l	89
49) 1,4-Dioxane	9.455	88	8977	407.714	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	212397	104.724	ug/l	97
52) Toluene	10.396	92	214396	22.010	ug/l	96
53) t-1,3-Dichloropropene	10.608	75	104796	21.264	ug/l	97
54) cis-1,3-Dichloropropene	10.079	75	116466	19.747	ug/l	90
55) 1,1,2-Trichloroethane	10.791	97	62673	21.738	ug/l	98
56) Ethyl methacrylate	10.655	69	67556	21.075	ug/l #	84
57) 1,3-Dichloropropane	10.938	76	106329	21.980	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.967	63	983	22.211	ug/l #	48
59) 2-Hexanone	10.979	43	144496	108.064	ug/l	99
60) Dibromochloromethane	11.132	129	80506	22.394	ug/l	97
61) 1,2-Dibromoethane	11.238	107	60372	21.913	ug/l	99
64) Tetrachloroethene	10.867	164	71125	20.811	ug/l	92
65) Chlorobenzene	11.661	112	225845	21.098	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	87781	22.111	ug/l	97
67) Ethyl Benzene	11.738	91	394436	20.990	ug/l	100
68) m/p-Xylenes	11.843	106	311904	42.722	ug/l	100
69) o-Xylene	12.173	106	139878	20.856	ug/l	94
70) Styrene	12.185	104	250381	21.698	ug/l	96
71) Bromoform	12.349	173	44686	21.870	ug/l #	98
73) Isopropylbenzene	12.467	105	375365	20.393	ug/l	97
74) N-amyl acetate	12.279	43	79092	19.697	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.720	83	71773	21.142	ug/l	99
76) 1,2,3-Trichloropropane	12.767	75	49680m	19.610	ug/l	
77) Bromobenzene	12.749	156	89297	20.609	ug/l	94
78) n-propylbenzene	12.808	91	483774	20.935	ug/l	99
79) 2-Chlorotoluene	12.896	91	276883	20.752	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	323893	20.773	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	21080	19.976	ug/l	93
82) 4-Chlorotoluene	12.996	91	297842	21.297	ug/l	99
83) tert-Butylbenzene	13.208	119	275532	20.967	ug/l	95
84) 1,2,4-Trimethylbenzene	13.255	105	323894	21.027	ug/l	99
85) sec-Butylbenzene	13.390	105	425364	21.199	ug/l	100
86) p-Isopropyltoluene	13.502	119	346155	21.163	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	189948	21.749	ug/l	98
88) 1,4-Dichlorobenzene	13.579	146	183800	20.848	ug/l	99
89) n-Butylbenzene	13.826	91	327175	20.993	ug/l	99
90) Hexachloroethane	14.096	117	72217	21.338	ug/l	95
91) 1,2-Dichlorobenzene	13.873	146	159972	21.170	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.490	75	11256	21.651	ug/l	96
93) 1,2,4-Trichlorobenzene	15.143	180	89853	20.944	ug/l	98
94) Hexachlorobutadiene	15.249	225	51022	21.105	ug/l	99
95) Naphthalene	15.379	128	147630	19.776	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	79708	20.958	ug/l	97

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

