

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052422\
 Data File : VD073341.D
 Acq On : 25 May 2022 00:25
 Operator : VA/SY
 Sample : VD0524SBS02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0524SBS02

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/25/2022
 Supervised By :Mahesh Dadoda 05/25/2022

Quant Time: May 25 05:32:04 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	7.979	168	306153	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	533698	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	512816	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	253469	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	177972	52.601	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.200%
35) Dibromofluoromethane	7.909	113	183893	52.217	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.440%
50) Toluene-d8	10.332	98	649339	50.019	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.040%
62) 4-Bromofluorobenzene	12.620	95	238238	52.293	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	104.580%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	62652	20.480	ug/l	98
3) Chloromethane	2.209	50	66675	19.275	ug/l	96
4) Vinyl Chloride	2.344	62	62649	19.806	ug/l	96
5) Bromomethane	2.750	94	44962	19.729	ug/l	99
6) Chloroethane	2.915	64	42030	21.615	ug/l #	88
7) Trichlorofluoromethane	3.262	101	117672	21.039	ug/l	93
8) Diethyl Ether	3.709	74	34319	22.330	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.091	101	69447	20.810	ug/l	96
10) Methyl Iodide	4.297	142	69539	19.314	ug/l	99
11) Tert butyl alcohol	5.185	59	56839	108.277	ug/l #	79
12) 1,1-Dichloroethene	4.068	96	61365	19.945	ug/l	91
13) Acrolein	3.926	56	25056	110.997	ug/l	97
14) Allyl chloride	4.703	41	99533	20.041	ug/l #	90
15) Acrylonitrile	5.415	53	86542	123.141	ug/l	96
16) Acetone	4.156	43	64840	110.640	ug/l	97
17) Carbon Disulfide	4.403	76	184679	18.107	ug/l	98
18) Methyl Acetate	4.715	43	44830	27.510	ug/l	96
19) Methyl tert-butyl Ether	5.473	73	162143	23.133	ug/l	96
20) Methylene Chloride	4.962	84	122190	31.385	ug/l	88
21) trans-1,2-Dichloroethene	5.467	96	77777	20.907	ug/l	90
22) Diisopropyl ether	6.356	45	234434	22.518	ug/l #	94
23) Vinyl Acetate	6.303	43	626603	112.836	ug/l #	95
24) 1,1-Dichloroethane	6.256	63	145003	21.699	ug/l	98
25) 2-Butanone	7.209	43	98830	115.266	ug/l #	83
26) 2,2-Dichloropropane	7.203	77	108588	19.054	ug/l	97
27) cis-1,2-Dichloroethene	7.203	96	89010	21.624	ug/l	91
28) Bromochloromethane	7.538	49	44397	19.284	ug/l #	80
29) Tetrahydrofuran	7.556	42	65839	118.755	ug/l	91
30) Chloroform	7.703	83	154859	22.197	ug/l	96
31) Cyclohexane	7.985	56	110643	18.713	ug/l	96
32) 1,1,1-Trichloroethane	7.897	97	131756	21.593	ug/l	95
36) 1,1-Dichloropropene	8.109	75	107994	20.389	ug/l	96
37) Ethyl Acetate	7.285	43	48903	23.375	ug/l #	94
38) Carbon Tetrachloride	8.091	117	109029	20.307	ug/l	92
39) Methylcyclohexane	9.350	83	108314	18.350	ug/l	99
40) Benzene	8.344	78	328279	21.506	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	25993	21.324	ug/l #	84
42) 1,2-Dichloroethane	8.420	62	93898	22.107	ug/l	93
43) Isopropyl Acetate	8.450	43	88836	22.973	ug/l #	91
44) Trichloroethene	9.108	130	83818	20.591	ug/l	93
45) 1,2-Dichloropropane	9.379	63	85004	22.112	ug/l	91
46) Dibromomethane	9.467	93	47866	22.671	ug/l	97
47) Bromodichloromethane	9.656	83	119906	22.196	ug/l	95
48) Methyl methacrylate	9.444	41	41925	21.549	ug/l #	84
49) 1,4-Dioxane	9.456	88	10135	464.827	ug/l	94
51) 4-Methyl-2-Pentanone	10.220	43	239639	119.316	ug/l	94
52) Toluene	10.397	92	211976	21.975	ug/l	95
53) t-1,3-Dichloropropene	10.614	75	106262	21.773	ug/l	98
54) cis-1,3-Dichloropropene	10.079	75	127367	21.808	ug/l #	86
55) 1,1,2-Trichloroethane	10.791	97	67020	23.474	ug/l	92
56) Ethyl methacrylate	10.655	69	72205	22.746	ug/l #	85
57) 1,3-Dichloropropane	10.938	76	109302	22.816	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	147401	110.903	ug/l	96
59) 2-Hexanone	10.973	43	158583	119.763	ug/l	96
60) Dibromochloromethane	11.132	129	81826	22.984	ug/l	97
61) 1,2-Dibromoethane	11.238	107	62544	22.925	ug/l	98
64) Tetrachloroethene	10.867	164	70525	20.997	ug/l	95
65) Chlorobenzene	11.661	112	227465	21.622	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	86046	22.054	ug/l	99
67) Ethyl Benzene	11.732	91	384610	20.826	ug/l	99
68) m/p-Xylenes	11.844	106	303766	42.336	ug/l	99
69) o-Xylene	12.167	106	136792	20.753	ug/l	98
70) Styrene	12.185	104	246427	21.730	ug/l	98
71) Bromoform	12.349	173	46919	23.365	ug/l #	100
73) Isopropylbenzene	12.467	105	364833	20.190	ug/l	98
74) N-amyl acetate	12.279	43	83916	21.288	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.720	83	74161	22.253	ug/l	98
76) 1,2,3-Trichloropropane	12.767	75	54595m	21.952	ug/l	
77) Bromobenzene	12.749	156	90820	21.351	ug/l	92
78) n-propylbenzene	12.808	91	461310	20.335	ug/l	99
79) 2-Chlorotoluene	12.897	91	275554	21.038	ug/l	96
80) 1,3,5-Trimethylbenzene	12.949	105	317744	20.758	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	22658	21.872	ug/l	87
82) 4-Chlorotoluene	12.991	91	293248	21.360	ug/l	99
83) tert-Butylbenzene	13.214	119	260869	20.222	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	317902	21.023	ug/l	98
85) sec-Butylbenzene	13.391	105	398311	20.221	ug/l	99
86) p-Isopropyltoluene	13.502	119	329841	20.542	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	186134	21.710	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	182910	21.134	ug/l	99
89) n-Butylbenzene	13.826	91	304566	19.907	ug/l	99
90) Hexachloroethane	14.096	117	68962	20.756	ug/l	98
91) 1,2-Dichlorobenzene	13.873	146	158592	21.379	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.485	75	11519	22.571	ug/l	91
93) 1,2,4-Trichlorobenzene	15.143	180	88269	20.959	ug/l	99
94) Hexachlorobutadiene	15.249	225	46812	19.725	ug/l	99
95) Naphthalene	15.385	128	158018	21.243	ug/l	98
96) 1,2,3-Trichlorobenzene	15.573	180	81017	21.699	ug/l	98

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

