

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD033122\
 Data File : VD072488.D
 Acq On : 31 Mar 2022 13:58
 Operator : VA/SY
 Sample : VD0331SBS02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0331SBS02

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/01/2022
 Supervised By :Semsettin Yesilyurt 04/01/2022

Quant Time: Apr 01 02:49:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 02:44:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	398170	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	649223	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	607193	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	317911	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	226737	47.074	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.140%		
35) Dibromofluoromethane	7.908	113	241820	47.929	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.860%		
50) Toluene-d8	10.332	98	832286	47.456	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	94.920%		
62) 4-Bromofluorobenzene	12.626	95	325064	47.459	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	94.920%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	58692	18.573	ug/l	99
3) Chloromethane	2.209	50	45742	15.650	ug/l	99
4) Vinyl Chloride	2.350	62	51357	15.947	ug/l	96
5) Bromomethane	2.756	94	36799	16.338	ug/l	93
6) Chloroethane	2.914	64	37255	17.306	ug/l	96
7) Trichlorofluoromethane	3.273	101	127420	18.577	ug/l	97
8) Diethyl Ether	3.703	74	35983	17.653	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.091	101	89745	19.619	ug/l	96
10) Methyl Iodide	4.291	142	57170	16.138	ug/l	98
11) Tert butyl alcohol	5.226	59	26748	105.157	ug/l	97
12) 1,1-Dichloroethene	4.067	96	61354	17.156	ug/l	97
13) Acrolein	3.926	56	32298	286.135	ug/l	99
14) Allyl chloride	4.708	41	98424	16.446	ug/l #	90
15) Acrylonitrile	5.414	53	92917	91.152	ug/l	98
16) Acetone	4.150	43	93803	104.441	ug/l #	86
17) Carbon Disulfide	4.409	76	82951	13.559	ug/l	95
18) Methyl Acetate	4.714	43	52651	20.808	ug/l #	90
19) Methyl tert-butyl Ether	5.473	73	194088	18.594	ug/l	92
20) Methylene Chloride	4.956	84	127517	23.849	ug/l	86
21) trans-1,2-Dichloroethene	5.473	96	67651	16.019	ug/l	86
22) Diisopropyl ether	6.361	45	262632	18.278	ug/l #	95
23) Vinyl Acetate	6.303	43	595751	81.437	ug/l #	89
24) 1,1-Dichloroethane	6.261	63	158572	18.314	ug/l	99
25) 2-Butanone	7.208	43	121723	97.993	ug/l #	87
26) 2,2-Dichloropropane	7.208	77	144158	18.745	ug/l	95
27) cis-1,2-Dichloroethene	7.202	96	98578	18.155	ug/l	91
28) Bromochloromethane	7.544	49	58259	15.704	ug/l #	73
29) Tetrahydrofuran	7.555	42	67410	89.887	ug/l	89
30) Chloroform	7.702	83	187984	19.301	ug/l	99
31) Cyclohexane	7.979	56	99598	15.814	ug/l #	89
32) 1,1,1-Trichloroethane	7.897	97	159596	19.320	ug/l	95
36) 1,1-Dichloropropene	8.108	75	108595	17.588	ug/l	97
37) Ethyl Acetate	7.291	43	52252	19.545	ug/l #	96
38) Carbon Tetrachloride	8.091	117	134094	19.292	ug/l	94
39) Methylcyclohexane	9.349	83	105577	16.128	ug/l	97
40) Benzene	8.344	78	325840	18.492	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	30648	20.624	ug/l #	84
42) 1,2-Dichloroethane	8.420	62	103966	19.304	ug/l	94
43) Isopropyl Acetate	8.444	43	91025	17.750	ug/l #	86
44) Trichloroethene	9.108	130	90757	18.143	ug/l	97
45) 1,2-Dichloropropane	9.379	63	96459	19.679	ug/l #	87
46) Dibromomethane	9.467	93	48786	18.971	ug/l	96
47) Bromodichloromethane	9.655	83	145110	19.641	ug/l	98
48) Methyl methacrylate	9.449	41	45295	18.193	ug/l #	84
49) 1,4-Dioxane	9.449	88	11798	385.673	ug/l	96
51) 4-Methyl-2-Pentanone	10.220	43	265097	96.343	ug/l	92
52) Toluene	10.396	92	220702	18.854	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	123323	19.156	ug/l	97
54) cis-1,3-Dichloropropene	10.085	75	147202	19.339	ug/l #	88
55) 1,1,2-Trichloroethane	10.796	97	79248	20.327	ug/l	99
56) Ethyl methacrylate	10.655	69	81382	17.763	ug/l #	83
57) 1,3-Dichloropropane	10.938	76	124980	19.391	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	241040	125.230	ug/l	94
59) 2-Hexanone	10.979	43	190069	101.579	ug/l	92
60) Dibromochloromethane	11.132	129	101394	20.162	ug/l	100
61) 1,2-Dibromoethane	11.238	107	70830	20.462	ug/l	97
64) Tetrachloroethene	10.873	164	73906	18.629	ug/l	95
65) Chlorobenzene	11.661	112	259278	19.099	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	110945	20.442	ug/l	99
67) Ethyl Benzene	11.738	91	444204	18.753	ug/l	97
68) m/p-Xylenes	11.849	106	341641	38.017	ug/l	98
69) o-Xylene	12.173	106	163568	18.865	ug/l	98
70) Styrene	12.185	104	299677	19.611	ug/l	96
71) Bromoform	12.355	173	57716	20.060	ug/l #	97
73) Isopropylbenzene	12.473	105	462480	18.013	ug/l	99
74) N-amyl acetate	12.279	43	95410	17.711	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.720	83	92646	19.051	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	69839m	20.142	ug/l	
77) Bromobenzene	12.749	156	108890	18.922	ug/l	90
78) n-propylbenzene	12.814	91	577129	18.633	ug/l	98
79) 2-Chlorotoluene	12.896	91	339164	18.724	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	420047	19.103	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	26527	18.773	ug/l #	84
82) 4-Chlorotoluene	12.996	91	357917	18.973	ug/l	100
83) tert-Butylbenzene	13.214	119	356050	18.704	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	411323	19.129	ug/l	100
85) sec-Butylbenzene	13.390	105	556566	19.410	ug/l	100
86) p-Isopropyltoluene	13.508	119	452020	19.286	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	231372	19.403	ug/l	99
88) 1,4-Dichlorobenzene	13.584	146	229098	19.062	ug/l	97
89) n-Butylbenzene	13.832	91	430874	19.298	ug/l	99
90) Hexachloroethane	14.102	117	95119	19.825	ug/l	98
91) 1,2-Dichlorobenzene	13.879	146	205925	19.579	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.490	75	14230	19.785	ug/l	93
93) 1,2,4-Trichlorobenzene	15.149	180	128040	19.640	ug/l	98
94) Hexachlorobutadiene	15.255	225	75506	20.677	ug/l	99
95) Naphthalene	15.384	128	224967	17.760	ug/l	98
96) 1,2,3-Trichlorobenzene	15.579	180	113168	19.890	ug/l	98

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

