

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052022\
 Data File : VD073211.D
 Acq On : 21 May 2022 05:53
 Operator : VA/SY
 Sample : VD0520SBS02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0520SBS02

Manual Integrations
 APPROVED

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

Quant Time: May 21 06:34:15 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	281572	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	517103	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	509537	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	248938	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	184485	59.286	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.580%			
35) Dibromofluoromethane	7.908	113	186325	54.606	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.220%			
50) Toluene-d8	10.332	98	673231	53.524	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.040%			
62) 4-Bromofluorobenzene	12.620	95	239633	54.287	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 108.580%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	56550	20.099	ug/l	99
3) Chloromethane	2.209	50	67514	21.221	ug/l	99
4) Vinyl Chloride	2.350	62	58875	20.238	ug/l	98
5) Bromomethane	2.750	94	45770	22.306	ug/l	93
6) Chloroethane	2.909	64	38760	21.673	ug/l	93
7) Trichlorofluoromethane	3.267	101	100649	19.566	ug/l	99
8) Diethyl Ether	3.703	74	31405	22.218	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.091	101	59424	19.361	ug/l	98
10) Methyl Iodide	4.303	142	60711	18.334	ug/l #	94
11) Tert butyl alcohol	5.214	59	33419m	69.220	ug/l	
12) 1,1-Dichloroethene	4.062	96	55302	19.543	ug/l #	88
13) Acrolein	3.920	56	22813	109.692	ug/l	97
14) Allyl chloride	4.703	41	89578	19.611	ug/l #	90
15) Acrylonitrile	5.414	53	78229	121.029	ug/l	95
16) Acetone	4.156	43	58287	108.141	ug/l #	85
17) Carbon Disulfide	4.403	76	180570	19.249	ug/l	100
18) Methyl Acetate	4.720	43	39216	26.165	ug/l #	90
19) Methyl tert-butyl Ether	5.479	73	145556	22.579	ug/l	97
20) Methylene Chloride	4.962	84	109453	30.455	ug/l	91
21) trans-1,2-Dichloroethene	5.467	96	71917	21.020	ug/l	88
22) Diisopropyl ether	6.361	45	219780	22.953	ug/l #	94
23) Vinyl Acetate	6.303	43	556907	109.040	ug/l #	95
24) 1,1-Dichloroethane	6.250	63	134684	21.914	ug/l	99
25) 2-Butanone	7.203	43	87400	110.834	ug/l	94
26) 2,2-Dichloropropane	7.203	77	92354	17.620	ug/l	94
27) cis-1,2-Dichloroethene	7.203	96	82767	21.863	ug/l	88
28) Bromochloromethane	7.538	49	44131	20.842	ug/l #	83
29) Tetrahydrofuran	7.555	42	60185	118.033	ug/l	95
30) Chloroform	7.703	83	146357	22.810	ug/l	96
31) Cyclohexane	7.979	56	97306	17.894	ug/l #	89
32) 1,1,1-Trichloroethane	7.897	97	116912	20.833	ug/l	95
36) 1,1-Dichloropropene	8.108	75	95036	18.519	ug/l	95
37) Ethyl Acetate	7.285	43	44752	22.077	ug/l	96
38) Carbon Tetrachloride	8.091	117	98841	19.000	ug/l	93
39) Methylcyclohexane	9.350	83	94453	16.515	ug/l	97
40) Benzene	8.344	78	302949	20.483	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	23740	20.101	ug/l #	84
42) 1,2-Dichloroethane	8.414	62	88362	21.471	ug/l	96
43) Isopropyl Acetate	8.444	43	78807	21.033	ug/l #	89
44) Trichloroethene	9.108	130	80050	20.297	ug/l	91
45) 1,2-Dichloropropane	9.385	63	79190	21.261	ug/l	95
46) Dibromomethane	9.473	93	43736	21.380	ug/l	97
47) Bromodichloromethane	9.655	83	109073	20.838	ug/l #	94
48) Methyl methacrylate	9.450	41	35529	18.848	ug/l #	73
49) 1,4-Dioxane	9.455	88	9396	444.764	ug/l	89
51) 4-Methyl-2-Pentanone	10.220	43	208665	107.228	ug/l	95
52) Toluene	10.397	92	192933	20.643	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	95335	20.161	ug/l	100
54) cis-1,3-Dichloropropene	10.079	75	113278	20.018	ug/l	92
55) 1,1,2-Trichloroethane	10.791	97	60997	22.050	ug/l	97
56) Ethyl methacrylate	10.649	69	64619	21.010	ug/l	87
57) 1,3-Dichloropropane	10.938	76	101008	21.761	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	115557	93.861	ug/l	96
59) 2-Hexanone	10.973	43	139120	108.437	ug/l	98
60) Dibromochloromethane	11.132	129	77624	22.504	ug/l	98
61) 1,2-Dibromoethane	11.232	107	57368	21.702	ug/l	98
64) Tetrachloroethene	10.873	164	62882	18.842	ug/l	97
65) Chlorobenzene	11.661	112	208002	19.899	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.732	131	79890	20.608	ug/l	98
67) Ethyl Benzene	11.738	91	346575	18.887	ug/l	96
68) m/p-Xylenes	11.843	106	275342	38.622	ug/l	98
69) o-Xylene	12.173	106	123260	18.820	ug/l	98
70) Styrene	12.185	104	227359	20.178	ug/l	96
71) Bromoform	12.349	173	43302	21.703	ug/l #	98
73) Isopropylbenzene	12.467	105	325346	18.333	ug/l	100
74) N-amyl acetate	12.279	43	75000	19.373	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.714	83	68326	20.875	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	48822m	19.988	ug/l	
77) Bromobenzene	12.749	156	83041	19.878	ug/l	94
78) n-propylbenzene	12.808	91	414700	18.614	ug/l	99
79) 2-Chlorotoluene	12.896	91	248048	19.283	ug/l	98
80) 1,3,5-Trimethylbenzene	12.943	105	292397	19.450	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	19269	18.939	ug/l	90
82) 4-Chlorotoluene	12.990	91	267066	19.807	ug/l	100
83) tert-Butylbenzene	13.208	119	224182	17.694	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	288796	19.446	ug/l	99
85) sec-Butylbenzene	13.385	105	348014	17.989	ug/l	99
86) p-Isopropyltoluene	13.502	119	287581	18.236	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	168203	19.975	ug/l	100
88) 1,4-Dichlorobenzene	13.579	146	167101	19.659	ug/l	99
89) n-Butylbenzene	13.826	91	259516	17.271	ug/l	100
90) Hexachloroethane	14.096	117	62363	19.112	ug/l	98
91) 1,2-Dichlorobenzene	13.873	146	146325	20.084	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.485	75	10331	20.611	ug/l	95
93) 1,2,4-Trichlorobenzene	15.143	180	77700	18.785	ug/l	99
94) Hexachlorobutadiene	15.249	225	41570	17.835	ug/l	96
95) Naphthalene	15.384	128	136872	19.153	ug/l	97
96) 1,2,3-Trichlorobenzene	15.573	180	69074	18.837	ug/l	98

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

