

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042922\
 Data File : VD072735.D
 Acq On : 29 Apr 2022 11:27
 Operator : VA/SY
 Sample : VD0429SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0429SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/02/2022
 Supervised By : Mahesh Dadoda 05/02/2022

Quant Time: Apr 30 01:50:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D042722S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 27 16:01:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	332276	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	591591	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	561252	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	265280	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	241317	54.701	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.400%			
35) Dibromofluoromethane	7.908	113	215781	54.771	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.540%			
50) Toluene-d8	10.332	98	787354	55.435	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 110.880%			
62) 4-Bromofluorobenzene	12.620	95	292976	54.694	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 109.380%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	103678	22.896	ug/l	98
3) Chloromethane	2.209	50	116403	22.762	ug/l	92
4) Vinyl Chloride	2.350	62	101155	21.937	ug/l	96
5) Bromomethane	2.750	94	67910	22.800	ug/l	94
6) Chloroethane	2.915	64	63336	22.639	ug/l	96
7) Trichlorofluoromethane	3.267	101	164530	22.308	ug/l	95
8) Diethyl Ether	3.709	74	45865	20.985	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.097	101	95729	22.766	ug/l	97
10) Methyl Iodide	4.297	142	96614	22.364	ug/l	97
11) Tert butyl alcohol	5.191	59	59962	188.830	ug/l #	74
12) 1,1-Dichloroethene	4.067	96	88406	22.464	ug/l	88
13) Acrolein	3.926	56	39908	106.826	ug/l	96
14) Allyl chloride	4.709	41	142974	21.457	ug/l	94
15) Acrylonitrile	5.414	53	103174	101.281	ug/l	97
16) Acetone	4.156	43	80972	93.658	ug/l	97
17) Carbon Disulfide	4.409	76	293586	22.209	ug/l	99
18) Methyl Acetate	4.720	43	52448	21.054	ug/l	93
19) Methyl tert-butyl Ether	5.479	73	204000	20.681	ug/l	95
20) Methylene Chloride	4.962	84	116744	9.500	ug/l	91
21) trans-1,2-Dichloroethene	5.473	96	102989	22.165	ug/l	93
22) Diisopropyl ether	6.361	45	313503	21.803	ug/l	96
23) Vinyl Acetate	6.303	43	845850	104.176	ug/l	97
24) 1,1-Dichloroethane	6.261	63	188054	22.180	ug/l	99
25) 2-Butanone	7.203	43	126625	98.147	ug/l	96
26) 2,2-Dichloropropane	7.208	77	155248	22.196	ug/l	100
27) cis-1,2-Dichloroethene	7.214	96	110049	21.374	ug/l	96
28) Bromochloromethane	7.550	49	68708	20.807	ug/l	92
29) Tetrahydrofuran	7.561	42	82255	101.315	ug/l	98
30) Chloroform	7.708	83	196169	22.388	ug/l	95
31) Cyclohexane	7.979	56	167465	21.865	ug/l	94
32) 1,1,1-Trichloroethane	7.897	97	169877	22.879	ug/l	95
36) 1,1-Dichloropropene	8.108	75	142855	21.642	ug/l	97
37) Ethyl Acetate	7.291	43	61489	20.454	ug/l	96
38) Carbon Tetrachloride	8.097	117	145194	21.764	ug/l	95
39) Methylcyclohexane	9.350	83	169209	22.137	ug/l	93
40) Benzene	8.344	78	411040	21.872	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	34592	20.057	ug/l #	85
42) 1,2-Dichloroethane	8.420	62	123958	20.928	ug/l	98
43) Isopropyl Acetate	8.444	43	115319	20.187	ug/l	97
44) Trichloroethene	9.108	130	104527	21.023	ug/l	99
45) 1,2-Dichloropropane	9.379	63	106436	21.899	ug/l	99
46) Dibromomethane	9.467	93	56614	20.566	ug/l	100
47) Bromodichloromethane	9.649	83	151350	21.630	ug/l	93
48) Methyl methacrylate	9.450	41	59934	20.916	ug/l	94
49) 1,4-Dioxane	9.450	88	12327	405.726	ug/l	99
51) 4-Methyl-2-Pentanone	10.220	43	294397	100.281	ug/l	98
52) Toluene	10.397	92	259685	22.119	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	132864	20.576	ug/l	95
54) cis-1,3-Dichloropropene	10.079	75	163707	21.736	ug/l	93
55) 1,1,2-Trichloroethane	10.791	97	76063	20.527	ug/l	96
56) Ethyl methacrylate	10.649	69	89886	20.702	ug/l	93
57) 1,3-Dichloropropane	10.938	76	133356	21.098	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.932	63	186558	93.937	ug/l	98
59) 2-Hexanone	10.973	43	195272	99.200	ug/l	100
60) Dibromochloromethane	11.132	129	95527	20.998	ug/l	100
61) 1,2-Dibromoethane	11.232	107	72849	20.719	ug/l	100
64) Tetrachloroethene	10.867	164	83502	21.692	ug/l	94
65) Chlorobenzene	11.661	112	266576	21.516	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	100897	21.726	ug/l	98
67) Ethyl Benzene	11.738	91	474369	21.808	ug/l	99
68) m/p-Xylenes	11.844	106	374396	45.136	ug/l	100
69) o-Xylene	12.173	106	172527	22.009	ug/l	98
70) Styrene	12.185	104	297994	22.336	ug/l	100
71) Bromoform	12.349	173	49660	19.920	ug/l #	98
73) Isopropylbenzene	12.467	105	451384	22.260	ug/l	98
74) N-amyl acetate	12.279	43	110216	21.039	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	82623	20.331	ug/l	99
76) 1,2,3-Trichloropropane	12.767	75	59789m	20.856	ug/l	
77) Bromobenzene	12.749	156	102691	21.268	ug/l	97
78) n-propylbenzene	12.808	91	570614	22.515	ug/l	99
79) 2-Chlorotoluene	12.896	91	326291	22.001	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	387074	22.577	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	24823	19.268	ug/l	94
82) 4-Chlorotoluene	12.991	91	348723	22.337	ug/l	99
83) tert-Butylbenzene	13.214	119	321565	22.423	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	385258	22.504	ug/l	100
85) sec-Butylbenzene	13.385	105	493829	22.795	ug/l	100
86) p-Isopropyltoluene	13.502	119	397168	22.398	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	204616	21.539	ug/l	97
88) 1,4-Dichlorobenzene	13.585	146	205434	21.679	ug/l	98
89) n-Butylbenzene	13.826	91	381266	22.100	ug/l	99
90) Hexachloroethane	14.096	117	79481	22.351	ug/l	95
91) 1,2-Dichlorobenzene	13.873	146	176408	21.167	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.485	75	13267	19.886	ug/l	94
93) 1,2,4-Trichlorobenzene	15.143	180	101104	20.882	ug/l	98
94) Hexachlorobutadiene	15.249	225	54507	21.203	ug/l	94
95) Naphthalene	15.379	128	179632	19.703	ug/l	98
96) 1,2,3-Trichlorobenzene	15.579	180	89536	20.980	ug/l	99

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

