

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040422\
 Data File : VD072521.D
 Acq On : 04 Apr 2022 16:23
 Operator : VA/SY
 Sample : VD0404SBS02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0404SBS02

Quant Time: Apr 05 03:20:45 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

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/05/2022
 Supervised By : Mahesh Dadoda 04/05/2022

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	306112	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	518798	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	504857	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	268869	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	189705	51.230	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.460%			
35) Dibromofluoromethane	7.909	113	203450	50.461	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.920%			
50) Toluene-d8	10.332	98	699887	49.939	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.880%			
62) 4-Bromofluorobenzene	12.620	95	278283	50.843	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.680%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	43298	17.822	ug/l	92
3) Chloromethane	2.209	50	37143	16.530	ug/l	100
4) Vinyl Chloride	2.350	62	40817	16.453	ug/l	97
5) Bromomethane	2.744	94	30590	17.666	ug/l	96
6) Chloroethane	2.915	64	29052	17.554	ug/l	96
7) Trichlorofluoromethane	3.274	101	100869	19.129	ug/l	93
8) Diethyl Ether	3.709	74	29845	19.045	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.091	101	65189	18.537	ug/l	95
10) Methyl Iodide	4.303	142	44504	16.294	ug/l	100
11) Tert butyl alcohol	5.226	59	18979	97.053	ug/l #	91
12) 1,1-Dichloroethene	4.068	96	47486	17.271	ug/l #	79
13) Acrolein	3.921	56	13741	158.344	ug/l	95
14) Allyl chloride	4.715	41	76999	16.716	ug/l #	91
15) Acrylonitrile	5.420	53	81201	103.614	ug/l	95
16) Acetone	4.156	43	66007	95.594	ug/l	92
17) Carbon Disulfide	4.409	76	63195	13.469	ug/l	95
18) Methyl Acetate	4.720	43	42774	21.989	ug/l #	87
19) Methyl tert-butyl Ether	5.473	73	157938	19.681	ug/l	98
20) Methylene Chloride	4.968	84	121114	29.463	ug/l #	78
21) trans-1,2-Dichloroethene	5.468	96	54509	16.752	ug/l	90
22) Diisopropyl ether	6.367	45	214215	19.392	ug/l #	93
23) Vinyl Acetate	6.303	43	480564m	85.137	ug/l	
24) 1,1-Dichloroethane	6.262	63	133347	20.033	ug/l	96
25) 2-Butanone	7.209	43	93625	98.040	ug/l	91
26) 2,2-Dichloropropane	7.209	77	115387	19.516	ug/l	98
27) cis-1,2-Dichloroethene	7.209	96	82943	19.869	ug/l	87
28) Bromochloromethane	7.544	49	63302	22.194	ug/l #	71
29) Tetrahydrofuran	7.562	42	54603	94.705	ug/l #	88
30) Chloroform	7.703	83	157374	21.017	ug/l	91
31) Cyclohexane	7.985	56	72521	14.978	ug/l #	83
32) 1,1,1-Trichloroethane	7.903	97	126605	19.935	ug/l	97
36) 1,1-Dichloropropene	8.109	75	79328	16.175	ug/l	94
37) Ethyl Acetate	7.297	43	35689	16.706	ug/l #	90
38) Carbon Tetrachloride	8.097	117	108534	19.540	ug/l	99
39) Methylcyclohexane	9.350	83	77580	15.062	ug/l	96
40) Benzene	8.350	78	264677	18.797	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	27105	22.648	ug/l #	85
42) 1,2-Dichloroethane	8.420	62	87769	20.393	ug/l	96
43) Isopropyl Acetate	8.450	43	78910	19.256	ug/l #	89
44) Trichloroethene	9.108	130	76151	19.050	ug/l	91
45) 1,2-Dichloropropane	9.379	63	78812	20.121	ug/l	95
46) Dibromomethane	9.467	93	42828	20.841	ug/l	99
47) Bromodichloromethane	9.656	83	128134	21.704	ug/l #	99
48) Methyl methacrylate	9.456	41	38099	19.150	ug/l #	87
49) 1,4-Dioxane	9.456	88	9405	384.738	ug/l	96
51) 4-Methyl-2-Pentanone	10.220	43	218617	99.424	ug/l	90
52) Toluene	10.397	92	182514	19.512	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	107792	20.952	ug/l	97
54) cis-1,3-Dichloropropene	10.085	75	117013	19.237	ug/l #	88
55) 1,1,2-Trichloroethane	10.791	97	67665	21.719	ug/l	98
56) Ethyl methacrylate	10.655	69	67688	18.440	ug/l #	84
57) 1,3-Dichloropropane	10.938	76	105065	20.399	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	174697	113.580	ug/l	93
59) 2-Hexanone	10.979	43	144664	96.749	ug/l	91
60) Dibromochloromethane	11.132	129	87876	21.867	ug/l	99
61) 1,2-Dibromoethane	11.238	107	57365	20.739	ug/l	97
64) Tetrachloroethene	10.867	164	58469	17.726	ug/l	94
65) Chlorobenzene	11.661	112	219496	19.446	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	92635	20.528	ug/l	96
67) Ethyl Benzene	11.738	91	362506	18.406	ug/l	98
68) m/p-Xylenes	11.844	106	284890	38.128	ug/l	98
69) o-Xylene	12.173	106	137874	19.125	ug/l	98
70) Styrene	12.185	104	253058	19.917	ug/l	97
71) Bromoform	12.355	173	51233	21.416	ug/l #	98
73) Isopropylbenzene	12.473	105	388457	17.890	ug/l	100
74) N-amyl acetate	12.279	43	80904	17.757	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.720	83	80964	19.685	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	57942m	19.759	ug/l	
77) Bromobenzene	12.749	156	93996	19.313	ug/l	92
78) n-propylbenzene	12.808	91	484995	18.515	ug/l	99
79) 2-Chlorotoluene	12.897	91	290165	18.941	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	351311	18.891	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	22186	18.565	ug/l #	88
82) 4-Chlorotoluene	12.997	91	301988	18.928	ug/l	96
83) tert-Butylbenzene	13.214	119	307947	19.127	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	345688	19.009	ug/l	99
85) sec-Butylbenzene	13.391	105	454111	18.726	ug/l	98
86) p-Isopropyltoluene	13.502	119	383051	19.325	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	199249	19.757	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	201974	19.871	ug/l	99
89) n-Butylbenzene	13.832	91	354712	18.785	ug/l	99
90) Hexachloroethane	14.096	117	78964	19.460	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	180206	20.259	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	12746	20.954	ug/l	91
93) 1,2,4-Trichlorobenzene	15.143	180	112325	20.373	ug/l	98
94) Hexachlorobutadiene	15.249	225	63545	20.576	ug/l	98
95) Naphthalene	15.385	128	201940	18.850	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	98046	20.375	ug/l	98

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

