

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030122\
 Data File : VD072133.D
 Acq On : 01 Mar 2022 11:41
 Operator : VA/SY
 Sample : VD0301SBS02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0301SBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/02/2022
 Supervised By : Mahesh Dadoda 03/02/2022

Quant Time: Mar 02 06:07:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 19 04:05:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	441430	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	722426	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	675513	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	338134	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	242210	52.897	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.800%			
35) Dibromofluoromethane	7.914	113	231250	52.833	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.660%			
50) Toluene-d8	10.338	98	859867	52.975	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.940%			
62) 4-Bromofluorobenzene	12.626	95	312785	52.460	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.920%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	74381	17.871	ug/l	98
3) Chloromethane	2.209	50	65942	17.682	ug/l	98
4) Vinyl Chloride	2.350	62	60822	16.188	ug/l	96
5) Bromomethane	2.762	94	38150	14.704	ug/l	98
6) Chloroethane	2.915	64	41016	17.271	ug/l	95
7) Trichlorofluoromethane	3.273	101	133469	18.361	ug/l	98
8) Diethyl Ether	3.715	74	36580	17.652	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.097	101	83976	18.490	ug/l	98
10) Methyl Iodide	4.309	142	65398	15.214	ug/l	99
11) Tert butyl alcohol	5.220	59	27984	107.112	ug/l #	95
12) 1,1-Dichloroethene	4.068	96	68413	16.959	ug/l	96
13) Acrolein	3.921	56	39337	76.355	ug/l	100
14) Allyl chloride	4.720	41	117322	16.595	ug/l	96
15) Acrylonitrile	5.420	53	108536	96.908	ug/l	99
16) Acetone	4.162	43	86452	87.361	ug/l	90
17) Carbon Disulfide	4.415	76	138394	12.823	ug/l	100
18) Methyl Acetate	4.720	43	54508	21.015	ug/l	100
19) Methyl tert-butyl Ether	5.479	73	197401	20.115	ug/l	96
20) Methylene Chloride	4.968	84	88701	18.010	ug/l	97
21) trans-1,2-Dichloroethene	5.473	96	76272	16.827	ug/l	95
22) Diisopropyl ether	6.367	45	283675	19.216	ug/l	98
23) Vinyl Acetate	6.303	43	754010	95.643	ug/l	97
24) 1,1-Dichloroethane	6.262	63	160623	18.289	ug/l	98
25) 2-Butanone	7.209	43	137175	100.294	ug/l	99
26) 2,2-Dichloropropane	7.209	77	134466	19.133	ug/l	100
27) cis-1,2-Dichloroethene	7.209	96	95063	18.305	ug/l	99
28) Bromochloromethane	7.544	49	68982	18.425	ug/l	97
29) Tetrahydrofuran	7.562	42	81790	93.700	ug/l	100
30) Chloroform	7.709	83	175083	19.417	ug/l	99
31) Cyclohexane	7.985	56	124035	15.336	ug/l	97
32) 1,1,1-Trichloroethane	7.903	97	148703	19.163	ug/l	98
36) 1,1-Dichloropropene	8.109	75	113033	17.048	ug/l	98
37) Ethyl Acetate	7.291	43	60290	19.610	ug/l	96
38) Carbon Tetrachloride	8.097	117	126248	18.578	ug/l	99
39) Methylcyclohexane	9.356	83	122287	15.759	ug/l	98
40) Benzene	8.350	78	335415	17.928	ug/l	99

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41) Methacrylonitrile	7.538	41	43457m	22.794	ug/l	
42) 1,2-Dichloroethane	8.420	62	110438	19.679	ug/l	100
43) Isopropyl Acetate	8.450	43	112079	19.576	ug/l	100
44) Trichloroethene	9.108	130	90730	17.793	ug/l	98
45) 1,2-Dichloropropane	9.385	63	94131	18.862	ug/l	100
46) Dibromomethane	9.473	93	48009	18.229	ug/l	98
47) Bromodichloromethane	9.656	83	134878	19.854	ug/l	99
48) Methyl methacrylate	9.456	41	49198	17.011	ug/l #	78
49) 1,4-Dioxane	9.461	88	11676	373.725	ug/l	92
51) 4-Methyl-2-Pentanone	10.226	43	302854	99.813	ug/l	98
52) Toluene	10.397	92	219476	18.332	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	125297	20.166	ug/l	94
54) cis-1,3-Dichloropropene	10.085	75	142902	19.433	ug/l	97
55) 1,1,2-Trichloroethane	10.797	97	73550	19.845	ug/l	99
56) Ethyl methacrylate	10.655	69	86241	19.486	ug/l	98
57) 1,3-Dichloropropane	10.938	76	127026	19.830	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	216667	109.427	ug/l	100
59) 2-Hexanone	10.979	43	207334	100.180	ug/l	98
60) Dibromochloromethane	11.132	129	92577	20.003	ug/l	96
61) 1,2-Dibromoethane	11.238	107	67453	19.045	ug/l	100
64) Tetrachloroethene	10.873	164	76120	17.849	ug/l	99
65) Chlorobenzene	11.667	112	248041	18.946	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	97177	19.999	ug/l	96
67) Ethyl Benzene	11.738	91	430308	18.692	ug/l	96
68) m/p-Xylenes	11.850	106	328953	37.327	ug/l	98
69) o-Xylene	12.173	106	158392	19.106	ug/l	99
70) Styrene	12.191	104	280478	19.715	ug/l	99
71) Bromoform	12.350	173	56864	20.405	ug/l #	99
73) Isopropylbenzene	12.473	105	433963	18.692	ug/l	100
74) N-amyl acetate	12.279	43	104723	18.680	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.720	83	90153	19.641	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	71894m	22.447	ug/l	
77) Bromobenzene	12.749	156	102043	18.769	ug/l	97
78) n-propylbenzene	12.814	91	535885	18.779	ug/l	100
79) 2-Chlorotoluene	12.902	91	309757	18.755	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	375737	19.382	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	26748	20.913	ug/l	95
82) 4-Chlorotoluene	12.997	91	325501	18.936	ug/l	99
83) tert-Butylbenzene	13.214	119	321359	19.294	ug/l	97
84) 1,2,4-Trimethylbenzene	13.261	105	377189	19.792	ug/l	100
85) sec-Butylbenzene	13.391	105	487269	19.204	ug/l	100
86) p-Isopropyltoluene	13.508	119	407493	19.526	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	209966	19.105	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	212375	19.232	ug/l	98
89) n-Butylbenzene	13.832	91	381155	19.207	ug/l	99
90) Hexachloroethane	14.096	117	75021	17.909	ug/l	98
91) 1,2-Dichlorobenzene	13.879	146	189130	19.624	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	15094	21.108	ug/l	95
93) 1,2,4-Trichlorobenzene	15.149	180	116953	19.756	ug/l	99
94) Hexachlorobutadiene	15.255	225	64143	19.704	ug/l	97
95) Naphthalene	15.385	128	216533	20.149	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	102191	20.013	ug/l	99

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

