

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032921\
 Data File : VD068698.D
 Acq On : 29 Mar 2021 15:09
 Operator : VA/SY
 Sample : VD0329SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0329SBS01

Manual Integrations
 APPROVED

SAM
 3/30/2021 7:24:27 PM

Quant Time: Mar 30 01:04:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031921S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 20 02:00:55 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	315671	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	531739	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	494812	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	235371	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	165939	52.13	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.26%			
35) Dibromofluoromethane	7.914	113	174003	52.59	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.18%			
50) Toluene-d8	10.338	98	695847	54.55	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 109.10%			
62) 4-Bromofluorobenzene	12.632	95	220369	53.29	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 106.58%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	43388	17.58	ug/l	97
3) Chloromethane	2.209	50	58548	19.26	ug/l	98
4) Vinyl Chloride	2.350	62	68738	19.13	ug/l	99
5) Bromomethane	2.756	94	51195	19.28	ug/l	96
6) Chloroethane	2.915	64	45675	19.41	ug/l	97
7) Trichlorofluoromethane	3.268	101	86108	20.10	ug/l	93
8) Diethyl Ether	3.709	74	22386	18.90	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.097	101	52168	20.35	ug/l	98
10) Methyl Iodide	4.297	142	45663	17.55	ug/l	98
11) Tert butyl alcohol	5.226	59	14366	97.94	ug/l #	94
12) 1,1-Dichloroethene	4.062	96	49954	20.02	ug/l	95
13) Acrolein	3.926	56	14589	110.96	ug/l	99
14) Allyl chloride	4.714	41	61670	20.34	ug/l	99
15) Acrylonitrile	5.426	53	55516	96.29	ug/l	95
16) Acetone	4.162	43	34961	90.53	ug/l	98
17) Carbon Disulfide	4.409	76	159222	19.87	ug/l	97
18) Methyl Acetate	4.720	43	21758	20.50	ug/l	95
19) Methyl tert-butyl Ether	5.479	73	120404	19.16	ug/l	96
20) Methylene Chloride	4.967	84	69465	16.73	ug/l	97
21) trans-1,2-Dichloroethene	5.467	96	68339	19.70	ug/l	94
22) Diisopropyl ether	6.356	45	160972	20.89	ug/l	96
23) Vinyl Acetate	6.303	43	385499	94.18	ug/l	98
24) 1,1-Dichloroethane	6.261	63	114993	20.35	ug/l	99
25) 2-Butanone	7.214	43	53117	83.01	ug/l	99
26) 2,2-Dichloropropane	7.208	77	91023	18.11	ug/l	98
27) cis-1,2-Dichloroethene	7.208	96	70237	18.17	ug/l	98
28) Bromochloromethane	7.544	49	37766	16.90	ug/l	99
29) Tetrahydrofuran	7.567	42	34554	85.43	ug/l	96
30) Chloroform	7.708	83	115717	18.84	ug/l	98
31) Cyclohexane	7.985	56	97056	18.90	ug/l	97
32) 1,1,1-Trichloroethane	7.903	97	107983	19.70	ug/l	99
36) 1,1-Dichloropropene	8.114	75	94637	19.93	ug/l	98
37) Ethyl Acetate	7.291	43	26784	17.87	ug/l	100
38) Carbon Tetrachloride	8.097	117	94220	19.88	ug/l	96
39) Methylcyclohexane	9.350	83	108127	18.45	ug/l	96
40) Benzene	8.350	78	276500	19.95	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	15671	17.87	ug/l	92
42) 1,2-Dichloroethane	8.426	62	71660	19.76	ug/l	99
43) Isopropyl Acetate	8.455	43	53628	18.65	ug/l	98
44) Trichloroethene	9.108	130	76000	19.76	ug/l	97
45) 1,2-Dichloropropane	9.391	63	67830	20.46	ug/l	97
46) Dibromomethane	9.473	93	36066	19.13	ug/l	98
47) Bromodichloromethane	9.661	83	97799	20.22	ug/l	99
48) Methyl methacrylate	9.455	41	27516	18.89	ug/l	95
49) 1,4-Dioxane	9.455	88	7682	366.74	ug/l	95
51) 4-Methyl-2-Pentanone	10.226	43	142364	95.12	ug/l	98
52) Toluene	10.402	92	167382	19.09	ug/l	98
53) t-1,3-Dichloropropene	10.620	75	88164	19.82	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	105259	19.93	ug/l	97
55) 1,1,2-Trichloroethane	10.802	97	53013	19.99	ug/l	93
56) Ethyl methacrylate	10.661	69	53091	18.53	ug/l	97
57) 1,3-Dichloropropane	10.944	76	85274	19.71	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.944	63	129018	88.38	ug/l	99
59) 2-Hexanone	10.985	43	95925	95.45	ug/l	97
60) Dibromochloromethane	11.138	129	65040	19.78	ug/l	100
61) 1,2-Dibromoethane	11.244	107	48374	18.90	ug/l	95
64) Tetrachloroethene	10.879	164	64285	20.04	ug/l	93
65) Chlorobenzene	11.667	112	185851	19.09	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.744	131	65286	18.63	ug/l	99
67) Ethyl Benzene	11.744	91	314914	18.54	ug/l	97
68) m/p-Xylenes	11.855	106	246350	37.22	ug/l	97
69) o-Xylene	12.179	106	119988	19.56	ug/l	98
70) Styrene	12.196	104	206942	19.63	ug/l	99
71) Bromoform	12.361	173	34824	18.84	ug/l #	98
73) Isopropylbenzene	12.479	105	329047	20.35	ug/l	99
74) N-amyl acetate	12.291	43	51546	19.12	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.726	83	56075	19.63	ug/l	98
76) 1,2,3-Trichloropropane	12.779	75	44570m	22.75	ug/l	
77) Bromobenzene	12.761	156	78114	20.59	ug/l	97
78) n-propylbenzene	12.820	91	397262	20.63	ug/l	99
79) 2-Chlorotoluene	12.902	91	215285	20.49	ug/l	98
80) 1,3,5-Trimethylbenzene	12.955	105	256669	19.62	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.526	75	16115	18.72	ug/l	98
82) 4-Chlorotoluene	13.002	91	222348	19.81	ug/l	99
83) tert-Butylbenzene	13.220	119	226294	20.30	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	277664	20.55	ug/l	99
85) sec-Butylbenzene	13.396	105	329968	20.36	ug/l	100
86) p-Isopropyltoluene	13.514	119	297502	20.18	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	150559	19.90	ug/l	97
88) 1,4-Dichlorobenzene	13.590	146	150157	20.19	ug/l	99
89) n-Butylbenzene	13.838	91	283255	20.24	ug/l	98
90) Hexachloroethane	14.108	117	57569	21.70	ug/l	96
91) 1,2-Dichlorobenzene	13.885	146	131497	20.46	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	8427	20.61	ug/l	90
93) 1,2,4-Trichlorobenzene	15.155	180	83014	19.88	ug/l	99
94) Hexachlorobutadiene	15.261	225	47404	19.88	ug/l	98
95) Naphthalene	15.396	128	136849	18.72	ug/l	99
96) 1,2,3-Trichlorobenzene	15.590	180	73071	20.55	ug/l	98

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

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