

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041621\
 Data File : VD068872.D
 Acq On : 16 Apr 2021 13:30
 Operator : VA/SY
 Sample : VD0416SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0416SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/19/2021 1:27:46 PM

Quant Time: Apr 16 23:49:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 08 03:50:31 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	172843	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	291886	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	273688	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	132872	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	89399	48.94	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.88%		
35) Dibromofluoromethane	7.914	113	98419	51.84	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	103.68%		
50) Toluene-d8	10.338	98	368826	51.50	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	103.00%		
62) 4-Bromofluorobenzene	12.632	95	120592	50.70	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	101.40%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	32616	19.04	ug/l	96
3) Chloromethane	2.209	50	37491	18.62	ug/l	95
4) Vinyl Chloride	2.350	62	47398	18.74	ug/l	97
5) Bromomethane	2.756	94	39514	20.90	ug/l	96
6) Chloroethane	2.915	64	34195	20.57	ug/l	97
7) Trichlorofluoromethane	3.268	101	59636	20.04	ug/l	97
8) Diethyl Ether	3.715	74	16415	20.42	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.097	101	36230	20.17	ug/l	98
10) Methyl Iodide	4.303	142	30861	16.27	ug/l	97
11) Tert butyl alcohol	5.226	59	11062	95.64	ug/l #	94
12) 1,1-Dichloroethene	4.062	96	32463	18.76	ug/l	97
13) Acrolein	3.926	56	5661	78.74	ug/l	97
14) Allyl chloride	4.715	41	36712	18.83	ug/l	98
15) Acrylonitrile	5.426	53	33580	93.09	ug/l	97
16) Acetone	4.162	43	22086	87.31	ug/l	100
17) Carbon Disulfide	4.409	76	104217	18.61	ug/l	99
18) Methyl Acetate	4.720	43	12660	18.22	ug/l	97
19) Methyl tert-butyl Ether	5.479	73	73761	19.21	ug/l	99
20) Methylene Chloride	4.962	84	47864	20.52	ug/l	95
21) trans-1,2-Dichloroethene	5.473	96	43149	19.42	ug/l	97
22) Diisopropyl ether	6.367	45	89110	18.86	ug/l	97
23) Vinyl Acetate	6.309	43	228562	91.29	ug/l	99
24) 1,1-Dichloroethane	6.267	63	69465	19.50	ug/l	99
25) 2-Butanone	7.214	43	32111	89.71	ug/l	96
26) 2,2-Dichloropropane	7.203	77	56732	19.50	ug/l	99
27) cis-1,2-Dichloroethene	7.209	96	44534	20.17	ug/l	96
28) Bromochloromethane	7.550	49	22197	17.26	ug/l	91
29) Tetrahydrofuran	7.567	42	22655	94.11	ug/l	97
30) Chloroform	7.714	83	78339	20.09	ug/l	97
31) Cyclohexane	7.979	56	55842	18.37	ug/l	98
32) 1,1,1-Trichloroethane	7.903	97	68279	20.04	ug/l	99
36) 1,1-Dichloropropene	8.114	75	58139	19.68	ug/l	99
37) Ethyl Acetate	7.291	43	17141	19.75	ug/l	99
38) Carbon Tetrachloride	8.097	117	57561	19.68	ug/l #	95
39) Methylcyclohexane	9.356	83	63775	18.51	ug/l	96
40) Benzene	8.350	78	169979	19.66	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.532	41	9163	17.84	ug/l #	83
42) 1,2-Dichloroethane	8.426	62	45857	20.07	ug/l	97
43) Isopropyl Acetate	8.450	43	33450	18.91	ug/l	97
44) Trichloroethene	9.108	130	48674	20.38	ug/l	91
45) 1,2-Dichloropropane	9.391	63	39012	18.89	ug/l	96
46) Dibromomethane	9.473	93	23673	20.58	ug/l	98
47) Bromodichloromethane	9.661	83	60275	20.06	ug/l	94
48) Methyl methacrylate	9.456	41	15151	17.38	ug/l #	82
49) 1,4-Dioxane	9.456	88	5122	420.56	ug/l	95
51) 4-Methyl-2-Pentanone	10.226	43	85419	95.80	ug/l	98
52) Toluene	10.403	92	113720	20.77	ug/l	97
53) t-1,3-Dichloropropene	10.620	75	51747	19.43	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	65925	20.69	ug/l	98
55) 1,1,2-Trichloroethane	10.797	97	32669	20.08	ug/l	96
56) Ethyl methacrylate	10.661	69	32142	19.20	ug/l	98
57) 1,3-Dichloropropane	10.944	76	51848	19.36	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.944	63	68110	88.21	ug/l	99
59) 2-Hexanone	10.985	43	56404	94.54	ug/l	100
60) Dibromochloromethane	11.138	129	41422	20.31	ug/l	99
61) 1,2-Dibromoethane	11.244	107	31590	19.98	ug/l	100
64) Tetrachloroethene	10.873	164	39077	20.37	ug/l	95
65) Chlorobenzene	11.667	112	122451	20.67	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	43050	20.21	ug/l	97
67) Ethyl Benzene	11.744	91	203958	19.88	ug/l	99
68) m/p-Xylenes	11.850	106	159664	40.33	ug/l	98
69) o-Xylene	12.179	106	71813	19.95	ug/l	99
70) Styrene	12.191	104	127328	20.30	ug/l	98
71) Bromoform	12.355	173	23474	20.57	ug/l #	100
73) Isopropylbenzene	12.479	105	196007	20.20	ug/l	99
74) N-amyl acetate	12.285	43	30377	18.46	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.726	83	34331	18.93	ug/l	94
76) 1,2,3-Trichloropropane	12.785	75	22079m	18.19	ug/l	
77) Bromobenzene	12.755	156	48448	20.77	ug/l	95
78) n-propylbenzene	12.820	91	235155	19.96	ug/l	100
79) 2-Chlorotoluene	12.902	91	131475	19.97	ug/l	98
80) 1,3,5-Trimethylbenzene	12.955	105	164782	20.32	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	10361	19.81	ug/l	98
82) 4-Chlorotoluene	13.002	91	138707	19.88	ug/l	97
83) tert-Butylbenzene	13.220	119	135355	19.67	ug/l	97
84) 1,2,4-Trimethylbenzene	13.261	105	165116	20.16	ug/l	98
85) sec-Butylbenzene	13.396	105	192964	19.87	ug/l	100
86) p-Isopropyltoluene	13.514	119	174621	19.69	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	94829	20.52	ug/l	98
88) 1,4-Dichlorobenzene	13.591	146	93358	20.41	ug/l	99
89) n-Butylbenzene	13.838	91	161593	19.34	ug/l	99
90) Hexachloroethane	14.108	117	33741	19.10	ug/l	96
91) 1,2-Dichlorobenzene	13.885	146	79983	20.00	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.502	75	5220	18.94	ug/l	98
93) 1,2,4-Trichlorobenzene	15.155	180	48805	19.72	ug/l	99
94) Hexachlorobutadiene	15.261	225	27322	19.29	ug/l	99
95) Naphthalene	15.390	128	81721	18.96	ug/l	99
96) 1,2,3-Trichlorobenzene	15.585	180	42223	19.51	ug/l	99

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

