

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD053119\
 Data File : VD062561.D
 Acq On : 31 May 2019 14:04
 Operator : VA/AP
 Sample : VD0531SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0531SBS01

Quant Time: May 31 23:26:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 02:08:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	814232	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1066142	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	870672	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.53	152	496842	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	511987	53.63	ug/l	-0.01
Spiked Amount			Recovery	=	107.26%	
35) Dibromofluoromethane	6.93	113	527802	54.33	ug/l	-0.01
Spiked Amount			Recovery	=	108.66%	
50) Toluene-d8	10.42	98	1107584	52.03	ug/l	0.00
Spiked Amount			Recovery	=	104.06%	
62) 4-Bromofluorobenzene	13.56	95	488847	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	210273	22.266	ug/l	94
3) Chloromethane	1.74	50	180529	17.368	ug/l	93
4) Vinyl Chloride	1.85	62	149163	20.678	ug/l	97
5) Bromomethane	2.14	94	47761	20.388	ug/l	97
6) Chloroethane	2.26	64	67222	19.872	ug/l #	78
7) Trichlorofluoromethane	2.53	101	316948	20.791	ug/l	99
8) Diethyl Ether	2.87	74	49415	25.268	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.15	101	176141	19.566	ug/l	88
10) Methyl Iodide	3.30	142	195326	19.122	ug/l	90
11) Tert butyl alcohol	4.10	59	50025	122.849	ug/l #	92
12) 1,1-Dichloroethene	3.13	96	122709	19.268	ug/l	98
13) Acrolein	3.03	56	18510	104.324	ug/l #	78
14) Allyl chloride	3.62	41	205989	20.707	ug/l	99
15) Acrylonitrile	4.21	53	102268	105.058	ug/l	91
16) Acetone	3.22	43	197767	105.430	ug/l	100
17) Carbon Disulfide	3.37	76	383983	18.549	ug/l	98
18) Methyl Acetate	3.65	43	65442	21.375	ug/l	98
19) Methyl tert-butyl Ether	4.25	73	326114	21.139	ug/l	94
20) Methylene Chloride	3.82	84	144407	20.796	ug/l	97
21) trans-1,2-Dichloroethene	4.22	96	138271	19.132	ug/l	95
22) Diisopropyl ether	5.13	45	420061	20.670	ug/l	95
23) Vinyl Acetate	5.07	43	1290381	104.701	ug/l	97
24) 1,1-Dichloroethane	4.99	63	266781	20.342	ug/l	98
25) 2-Butanone	6.08	43	188169	106.513	ug/l #	84
26) 2,2-Dichloropropane	6.03	77	303672	20.872	ug/l	95
27) cis-1,2-Dichloroethene	6.04	96	150710	20.287	ug/l	95
28) Bromochloromethane	6.44	49	97969	21.618	ug/l	94
29) Tetrahydrofuran	6.47	42	88709	112.097	ug/l	98
30) Chloroform	6.67	83	330455	20.910	ug/l	97
31) Cyclohexane	6.96	56	164369	18.537	ug/l	98
32) 1,1,1-Trichloroethane	6.88	97	348772	21.206	ug/l	97
36) 1,1-Dichloropropene	7.15	75	215803	20.334	ug/l	92
37) Ethyl Acetate	6.19	43	98980	22.122	ug/l #	92
38) Carbon Tetrachloride	7.11	117	364440	23.064	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	176776	19.674	ug/l	99
40) Benzene	7.46	78	422913	20.303	ug/l	99
41) Methacrylonitrile	6.45	41	118463	22.499	ug/l #	91
42) 1,2-Dichloroethane	7.59	62	264836	22.825	ug/l	98
43) Isopropyl Acetate	9.25	43	124478	22.353	ug/l #	97
44) Trichloroethene	8.55	130	169342	20.350	ug/l	98
45) 1,2-Dichloropropane	8.94	63	108988	21.342	ug/l #	89
46) Dibromomethane	9.07	93	97946	22.834	ug/l	98
47) Bromodichloromethane	9.38	83	263179	22.267	ug/l	94
48) Methyl methacrylate	9.13	41	89662	24.174	ug/l	92
49) 1,4-Dioxane	9.08	88	13312	441.867	ug/l #	78
51) 4-Methyl-2-Pentanone	10.31	43	408681	105.189	ug/l	98
52) Toluene	10.51	92	283842	19.979	ug/l	95
53) t-1,3-Dichloropropene	10.92	75	211909	21.221	ug/l	96
54) cis-1,3-Dichloropropene	10.05	75	220195	21.210	ug/l	98
55) 1,1,2-Trichloroethane	11.20	97	99001	21.223	ug/l	99
56) Ethyl methacrylate	11.05	69	111939	22.514	ug/l	91
57) 1,3-Dichloropropane	11.42	76	146162	20.325	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.87	63	308141	120.843	ug/l	98
59) 2-Hexanone	11.54	43	313079	114.884	ug/l	95
60) Dibromochloromethane	11.69	129	193009	21.291	ug/l	100
61) 1,2-Dibromoethane	11.81	107	115942	20.661	ug/l	100
64) Tetrachloroethene	11.27	164	156247	20.301	ug/l	94
65) Chlorobenzene	12.40	112	331164	19.524	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.52	131	180001	22.440	ug/l	98
67) Ethyl Benzene	12.53	91	676799	21.778	ug/l	98
68) m/p-Xylenes	12.68	106	430338	40.030	ug/l	94
69) o-Xylene	13.06	106	209272	20.407	ug/l	97
70) Styrene	13.08	104	362810	20.836	ug/l	94
71) Bromoform	13.24	173	112141	19.915	ug/l #	94
73) Isopropylbenzene	13.40	105	646830	19.748	ug/l	97
74) N-amyl acetate	13.27	43	169608	20.308	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.71	83	104797	20.174	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	125907	21.123	ug/l	98
77) Bromobenzene	13.68	156	186201	20.733	ug/l	97
78) n-propylbenzene	13.78	91	761971	20.182	ug/l	97
79) 2-Chlorotoluene	13.85	91	424180	19.376	ug/l	97
80) 1,3,5-Trimethylbenzene	13.94	105	565831	20.216	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	33043	19.346	ug/l	91
82) 4-Chlorotoluene	13.96	91	547312	20.883	ug/l	99
83) tert-Butylbenzene	14.19	119	614161	19.665	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	545593	19.130	ug/l	98
85) sec-Butylbenzene	14.37	105	628843	19.007	ug/l	96
86) p-Isopropyltoluene	14.50	119	632497	20.463	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	331811	21.314	ug/l	93
88) 1,4-Dichlorobenzene	14.55	146	329237	21.104	ug/l	97
89) n-Butylbenzene	14.80	91	587489	21.292	ug/l	99
90) Hexachloroethane	15.01	117	162336	19.796	ug/l	70
91) 1,2-Dichlorobenzene	14.81	146	274719	20.977	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	23830	22.123	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	211641	20.211	ug/l	96
94) Hexachlorobutadiene	16.04	225	156863	20.292	ug/l	99
95) Naphthalene	16.13	128	306992	21.527	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	166545	21.292	ug/l	98

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

