

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD053019\
 Data File : VD062549.D
 Acq On : 30 May 2019 12:33
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: May 31 01:13:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 01:07:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	836803	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1107902	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	921877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	557671	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	203713	20.74	ug/l	0.00
Spiked Amount			Recovery	=	41.48%	
35) Dibromofluoromethane	6.93	113	207165	20.23	ug/l	0.00
Spiked Amount			Recovery	=	40.46%	
50) Toluene-d8	10.42	98	465636	20.99	ug/l	0.00
Spiked Amount			Recovery	=	41.98%	
62) 4-Bromofluorobenzene	13.56	95	201040	20.21	ug/l	0.00
Spiked Amount			Recovery	=	40.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	218535	21.918	ug/l	95
3) Chloromethane	1.75	50	268615	23.625	ug/l	97
4) Vinyl Chloride	1.85	62	164313	21.442	ug/l	92
5) Bromomethane	2.15	94	32736	13.921	ug/l	90
6) Chloroethane	2.26	64	65415	17.901	ug/l	90
7) Trichlorofluoromethane	2.53	101	313700	19.596	ug/l	95
8) Diethyl Ether	2.88	74	43664	21.228	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.15	101	177693	18.764	ug/l	98
10) Methyl Iodide	3.31	142	180472	17.452	ug/l	96
11) Tert butyl alcohol	4.10	59	44008	97.470	ug/l #	76
12) 1,1-Dichloroethene	3.13	96	136966	20.350	ug/l	93
13) Acrolein	3.04	56	17504	89.566	ug/l	99
14) Allyl chloride	3.63	41	214227	20.330	ug/l	95
15) Acrylonitrile	4.21	53	108108	106.301	ug/l	96
16) Acetone	3.23	43	195104	96.320	ug/l	97
17) Carbon Disulfide	3.38	76	421088	19.688	ug/l	97
18) Methyl Acetate	3.65	43	71849	21.806	ug/l #	92
19) Methyl tert-butyl Ether	4.26	73	321589	19.616	ug/l	94
20) Methylene Chloride	3.82	84	145127	20.443	ug/l	98
21) trans-1,2-Dichloroethene	4.23	96	159613	20.917	ug/l	97
22) Diisopropyl ether	5.14	45	444765	20.968	ug/l #	98
23) Vinyl Acetate	5.07	43	1326532	102.757	ug/l	98
24) 1,1-Dichloroethane	5.00	63	286507	20.675	ug/l	99
25) 2-Butanone	6.09	43	185874	99.852	ug/l #	91
26) 2,2-Dichloropropane	6.04	77	317326	21.090	ug/l	98
27) cis-1,2-Dichloroethene	6.05	96	164668	20.950	ug/l	94
28) Bromochloromethane	6.45	49	93184	20.275	ug/l	90
29) Tetrahydrofuran	6.48	42	88486	103.393	ug/l	99
30) Chloroform	6.68	83	353110	21.176	ug/l	93
31) Cyclohexane	6.96	56	177637	19.349	ug/l	94
32) 1,1,1-Trichloroethane	6.88	97	363609	21.354	ug/l	96
36) 1,1-Dichloropropene	7.16	75	237672	21.152	ug/l	98
37) Ethyl Acetate	6.19	43	100171	19.965	ug/l #	88
38) Carbon Tetrachloride	7.12	117	349951	20.620	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	201106	21.365	ug/l	99
40) Benzene	7.46	78	456343	20.675	ug/l	99
41) Methacrylonitrile	6.46	41	119709	21.285	ug/l #	96
42) 1,2-Dichloroethane	7.59	62	265121	21.515	ug/l	99
43) Isopropyl Acetate	9.25	43	131030	22.025	ug/l #	92
44) Trichloroethene	8.56	130	191407	21.665	ug/l	94
45) 1,2-Dichloropropane	8.95	63	113397	20.916	ug/l	97
46) Dibromomethane	9.08	93	97545	21.570	ug/l #	86
47) Bromodichloromethane	9.38	83	274151	21.824	ug/l	97
48) Methyl methacrylate	9.14	41	81041	19.825	ug/l #	92
49) 1,4-Dioxane	9.09	88	12982	391.208	ug/l #	85
51) 4-Methyl-2-Pentanone	10.31	43	442650	105.178	ug/l	98
52) Toluene	10.52	92	330042	21.979	ug/l	95
53) t-1,3-Dichloropropene	10.93	75	216739	20.183	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	242323	21.829	ug/l	90
55) 1,1,2-Trichloroethane	11.20	97	102039	20.436	ug/l	95
56) Ethyl methacrylate	11.05	69	115143	21.802	ug/l	93
57) 1,3-Dichloropropane	11.42	76	159082	21.035	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	328722	120.092	ug/l	98
59) 2-Hexanone	11.54	43	332643	113.125	ug/l	96
60) Dibromochloromethane	11.70	129	199721	20.618	ug/l	96
61) 1,2-Dibromoethane	11.82	107	128093	21.679	ug/l	95
64) Tetrachloroethene	11.26	164	166298	19.932	ug/l	97
65) Chlorobenzene	12.41	112	387489	20.787	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	184865	21.220	ug/l	96
67) Ethyl Benzene	12.53	91	710600	21.156	ug/l	98
68) m/p-Xylenes	12.67	106	476601	41.782	ug/l	99
69) o-Xylene	13.06	106	221981	20.082	ug/l	93
70) Styrene	13.08	104	398891	21.347	ug/l	96
71) Bromoform	13.24	173	126975	20.935	ug/l #	94
73) Isopropylbenzene	13.41	105	679066	18.314	ug/l	99
74) N-amyl acetate	13.27	43	177875	18.672	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.71	83	116606	19.190	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	138021	19.601	ug/l	98
77) Bromobenzene	13.68	156	200578	19.325	ug/l	97
78) n-propylbenzene	13.77	91	792294	18.336	ug/l	95
79) 2-Chlorotoluene	13.84	91	490336	19.384	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	606585	18.860	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	41855	21.972	ug/l	97
82) 4-Chlorotoluene	13.95	91	569963	18.736	ug/l	94
83) tert-Butylbenzene	14.20	119	698499	19.742	ug/l	92
84) 1,2,4-Trimethylbenzene	14.25	105	607181	18.883	ug/l	96
85) sec-Butylbenzene	14.38	105	713026	18.896	ug/l	99
86) p-Isopropyltoluene	14.49	119	729208	20.547	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	364217	20.102	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	372944	20.988	ug/l	97
89) n-Butylbenzene	14.80	91	645756	19.997	ug/l	93
90) Hexachloroethane	15.02	117	190546	20.090	ug/l	92
91) 1,2-Dichlorobenzene	14.81	146	303447	19.659	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	22679	18.394	ug/l #	45

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	205233	17.218	ug/l	98
94) Hexachlorobutadiene	16.04	225	172437	19.723	ug/l	99
95) Naphthalene	16.13	128	332205	19.743	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	171420	19.074	ug/l	98

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

