

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042319\
 Data File : VD061963.D
 Acq On : 23 Apr 2019 11:00
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Quant Time: Apr 23 12:20:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 12:18:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	657777	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1033615	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	865446	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	366260	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	50801	8.22	ug/l	0.00
Spiked Amount			Recovery	=	16.44%	
35) Dibromofluoromethane	6.93	113	77485	9.75	ug/l	0.00
Spiked Amount			Recovery	=	19.50%	
50) Toluene-d8	10.42	98	186306	10.50	ug/l	0.00
Spiked Amount			Recovery	=	21.00%	
62) 4-Bromofluorobenzene	13.57	95	73143	9.42	ug/l	0.00
Spiked Amount			Recovery	=	18.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	47852	7.541	ug/l	98
3) Chloromethane	1.76	50	45170	9.029	ug/l	99
4) Vinyl Chloride	1.85	62	40705	9.076	ug/l	98
5) Bromomethane	2.16	94	15357	11.107	ug/l	95
6) Chloroethane	2.28	64	16364	9.581	ug/l	98
7) Trichlorofluoromethane	2.54	101	60982	8.397	ug/l	100
8) Diethyl Ether	2.88	74	18245	9.582	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.17	101	57337	8.874	ug/l	89
10) Methyl Iodide	3.32	142	54352	5.692	ug/l	96
11) Tert butyl alcohol	4.06	59	14262	43.320	ug/l	99
12) 1,1-Dichloroethene	3.14	96	49939	9.542	ug/l	89
13) Acrolein	3.04	56	16686	69.429	ug/l	84
14) Allyl chloride	3.64	41	68326	8.935	ug/l	95
15) Acrylonitrile	4.21	53	46827	45.709	ug/l	98
16) Acetone	3.23	43	55092	48.096	ug/l	96
17) Carbon Disulfide	3.39	76	134817	8.683	ug/l	95
18) Methyl Acetate	3.64	43	22986	7.946	ug/l	97
19) Methyl tert-butyl Ether	4.25	73	110159	9.121	ug/l #	89
20) Methylene Chloride	3.82	84	79175	10.756	ug/l	96
21) trans-1,2-Dichloroethene	4.23	96	64404	10.095	ug/l	98
22) Diisopropyl ether	5.13	45	174779	9.252	ug/l #	96
23) Vinyl Acetate	5.06	43	446063	44.339	ug/l	99
24) 1,1-Dichloroethane	4.99	63	100050	8.999	ug/l	98
25) 2-Butanone	6.08	43	70816	44.375	ug/l	98
26) 2,2-Dichloropropane	6.04	77	88108	9.600	ug/l	97
27) cis-1,2-Dichloroethene	6.05	96	71107	9.445	ug/l	94
28) Bromochloromethane	6.45	49	43101	9.836	ug/l	100
29) Tetrahydrofuran	6.47	42	36683	44.151	ug/l	98
30) Chloroform	6.68	83	115857	8.880	ug/l	99
31) Cyclohexane	6.96	56	68334	8.656	ug/l	95
32) 1,1,1-Trichloroethane	6.88	97	93337	8.182	ug/l	96
36) 1,1-Dichloropropene	7.16	75	81079	9.792	ug/l	96
37) Ethyl Acetate	6.20	43	35416	9.264	ug/l #	90
38) Carbon Tetrachloride	7.12	117	102887	9.732	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	73639	9.015	ug/l	98
40) Benzene	7.46	78	192752	9.262	ug/l	99
41) Methacrylonitrile	6.45	41	41410	9.151	ug/l	95
42) 1,2-Dichloroethane	7.59	62	68139	8.918	ug/l	99
43) Isopropyl Acetate	9.25	43	49345	8.859	ug/l	98
44) Trichloroethene	8.55	130	73837	9.550	ug/l	95
45) 1,2-Dichloropropane	8.95	63	47617	8.973	ug/l	96
46) Dibromomethane	9.07	93	34032	8.453	ug/l	96
47) Bromodichloromethane	9.39	83	83355	9.035	ug/l	95
48) Methyl methacrylate	9.13	41	26770	8.424	ug/l	99
49) 1,4-Dioxane	9.11	88	5677	172.878	ug/l	93
51) 4-Methyl-2-Pentanone	10.31	43	159785	44.903	ug/l	100
52) Toluene	10.52	92	127134	9.495	ug/l	97
53) t-1,3-Dichloropropene	10.93	75	73085	8.923	ug/l	95
54) cis-1,3-Dichloropropene	10.05	75	84825	8.914	ug/l	99
55) 1,1,2-Trichloroethane	11.21	97	42013	8.719	ug/l	96
56) Ethyl methacrylate	11.06	69	44634	8.720	ug/l	95
57) 1,3-Dichloropropane	11.42	76	65233	9.086	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.87	63	129873	52.884	ug/l	99
59) 2-Hexanone	11.54	43	107500	42.941	ug/l	97
60) Dibromochloromethane	11.70	129	67946	8.760	ug/l	100
61) 1,2-Dibromoethane	11.82	107	48643	8.425	ug/l	98
64) Tetrachloroethene	11.27	164	56854	9.022	ug/l	95
65) Chlorobenzene	12.41	112	167509	10.085	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	66572	9.709	ug/l	97
67) Ethyl Benzene	12.53	91	259973	10.309	ug/l	98
68) m/p-Xylenes	12.68	106	195343	20.250	ug/l	99
69) o-Xylene	13.06	106	89546	9.754	ug/l	94
70) Styrene	13.09	104	150021	9.443	ug/l	96
71) Bromoform	13.24	173	36099	8.530	ug/l	94
73) Isopropylbenzene	13.41	105	260495	11.153	ug/l	99
74) N-amyl acetate	13.27	43	59743	9.404	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.71	83	47823	9.499	ug/l	97
76) 1,2,3-Trichloropropane	13.75	75	46155	9.490	ug/l	97
77) Bromobenzene	13.68	156	66766	9.709	ug/l	88
78) n-propylbenzene	13.79	91	303507	10.947	ug/l	99
79) 2-Chlorotoluene	13.85	91	176427	10.648	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	212266	10.858	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	14129	9.826	ug/l	94
82) 4-Chlorotoluene	13.96	91	195618	10.478	ug/l	100
83) tert-Butylbenzene	14.20	119	227616	10.257	ug/l	98
84) 1,2,4-Trimethylbenzene	14.25	105	183558	9.574	ug/l	98
85) sec-Butylbenzene	14.38	105	231713	9.701	ug/l	100
86) p-Isopropyltoluene	14.50	119	234521	10.724	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	130735	10.513	ug/l	99
88) 1,4-Dichlorobenzene	14.55	146	113328	9.666	ug/l	94
89) n-Butylbenzene	14.81	91	209118	10.509	ug/l	96
90) Hexachloroethane	15.02	117	58664	9.605	ug/l	94
91) 1,2-Dichlorobenzene	14.82	146	106808	10.017	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	5774	8.606	ug/l	76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	51264	9.589	ug/l	98
94) Hexachlorobutadiene	16.05	225	36061	9.265	ug/l	91
95) Naphthalene	16.14	128	83839	9.766	ug/l	98
96) 1,2,3-Trichlorobenzene	16.29	180	27798	9.347	ug/l	93

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

