

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042319\
 Data File : VD061962.D
 Acq On : 23 Apr 2019 10:33
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Apr 23 12:20:51 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	7.05	168	699243	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1181337	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	915125	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	441035	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	27563	4.20	ug/l	0.00
Spiked Amount			Recovery	=	8.40%	
35) Dibromofluoromethane	6.93	113	40624	4.47	ug/l	0.00
Spiked Amount			Recovery	=	8.94%	
50) Toluene-d8	10.42	98	92505	4.56	ug/l	0.00
Spiked Amount			Recovery	=	9.12%	
62) 4-Bromofluorobenzene	13.56	95	40981	4.62	ug/l	0.00
Spiked Amount			Recovery	=	9.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	35519	5.265	ug/l	96
3) Chloromethane	1.77	50	29829	5.609	ug/l	100
4) Vinyl Chloride	1.86	62	24603	5.161	ug/l	89
5) Bromomethane	2.16	94	9675	6.582	ug/l #	83
6) Chloroethane	2.28	64	10052	5.536	ug/l	96
7) Trichlorofluoromethane	2.54	101	38504	4.987	ug/l	98
8) Diethyl Ether	2.88	74	9681	4.783	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.16	101	36605	5.330	ug/l	96
10) Methyl Iodide	3.32	142	31845	3.137	ug/l #	82
11) Tert butyl alcohol	4.07	59	6369	18.198	ug/l #	76
12) 1,1-Dichloroethene	3.14	96	30748	5.526	ug/l	81
13) Acrolein	3.05	56	7613	29.799	ug/l	99
14) Allyl chloride	3.64	41	41750	5.136	ug/l	96
15) Acrylonitrile	4.21	53	23495	21.574	ug/l	100
16) Acetone	3.22	43	30867	25.349	ug/l #	86
17) Carbon Disulfide	3.39	76	92012	5.575	ug/l	99
18) Methyl Acetate	3.66	43	17732	5.766	ug/l #	90
19) Methyl tert-butyl Ether	4.25	73	54160	4.219	ug/l	98
20) Methylene Chloride	3.83	84	45652	5.834	ug/l	90
21) trans-1,2-Dichloroethene	4.23	96	32970	4.862	ug/l	93
22) Diisopropyl ether	5.13	45	100805	5.020	ug/l	96
23) Vinyl Acetate	5.06	43	221105	20.675	ug/l	98
24) 1,1-Dichloroethane	4.99	63	60572	5.125	ug/l	100
25) 2-Butanone	6.08	43	40782	24.040	ug/l	99
26) 2,2-Dichloropropane	6.04	77	53668	5.501	ug/l	89
27) cis-1,2-Dichloroethene	6.05	96	40308	5.037	ug/l	98
28) Bromochloromethane	6.45	49	22138	4.753	ug/l	96
29) Tetrahydrofuran	6.46	42	21093	23.882	ug/l	98
30) Chloroform	6.68	83	63775	4.598	ug/l	99
31) Cyclohexane	6.96	56	47435	5.652	ug/l	98
32) 1,1,1-Trichloroethane	6.87	97	56611	4.668	ug/l	94
36) 1,1-Dichloropropene	7.16	75	50207	5.305	ug/l	93
37) Ethyl Acetate	6.19	43	21293	4.873	ug/l #	93
38) Carbon Tetrachloride	7.12	117	56621	4.686	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	44665	4.784	ug/l	94
40) Benzene	7.47	78	118810	4.995	ug/l	100
41) Methacrylonitrile	6.45	41	23540	4.552	ug/l	97
42) 1,2-Dichloroethane	7.58	62	38768	4.439	ug/l	100
43) Isopropyl Acetate	9.25	43	25900	4.068	ug/l	96
44) Trichloroethene	8.55	130	45917	5.196	ug/l	93
45) 1,2-Dichloropropane	8.95	63	29257	4.824	ug/l	98
46) Dibromomethane	9.07	93	20339	4.420	ug/l	95
47) Bromodichloromethane	9.38	83	47773	4.531	ug/l #	96
48) Methyl methacrylate	9.13	41	17246	4.748	ug/l	95
49) 1,4-Dioxane	9.09	88	3038	80.946	ug/l #	80
51) 4-Methyl-2-Pentanone	10.31	43	89620	22.036	ug/l	98
52) Toluene	10.52	92	79032	5.164	ug/l	94
53) t-1,3-Dichloropropene	10.92	75	39012	4.167	ug/l	97
54) cis-1,3-Dichloropropene	10.04	75	48488	4.458	ug/l	98
55) 1,1,2-Trichloroethane	11.20	97	23860	4.333	ug/l	94
56) Ethyl methacrylate	11.05	69	25723	4.397	ug/l	98
57) 1,3-Dichloropropane	11.41	76	37947	4.624	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	60696	21.625	ug/l	92
59) 2-Hexanone	11.54	43	66156	23.122	ug/l	98
60) Dibromochloromethane	11.69	129	37166	4.192	ug/l	92
61) 1,2-Dibromoethane	11.81	107	28400	4.304	ug/l	99
64) Tetrachloroethene	11.27	164	35878	5.384	ug/l	95
65) Chlorobenzene	12.41	112	94583	5.385	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.52	131	38738	5.343	ug/l	98
67) Ethyl Benzene	12.53	91	162694	6.101	ug/l	100
68) m/p-Xylenes	12.67	106	120516	11.815	ug/l	99
69) o-Xylene	13.05	106	51266	5.281	ug/l	96
70) Styrene	13.08	104	87891	5.232	ug/l	98
71) Bromoform	13.23	173	20700	4.626	ug/l	89
73) Isopropylbenzene	13.40	105	153425	5.455	ug/l	99
74) N-amyl acetate	13.26	43	37131	4.854	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.71	83	26635	4.394	ug/l	95
76) 1,2,3-Trichloropropane	13.74	75	24972	4.264	ug/l	100
77) Bromobenzene	13.68	156	42823	5.172	ug/l	94
78) n-propylbenzene	13.78	91	165064	4.944	ug/l	99
79) 2-Chlorotoluene	13.84	91	107979	5.412	ug/l	100
80) 1,3,5-Trimethylbenzene	13.93	105	119325	5.069	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	7990	4.614	ug/l	96
82) 4-Chlorotoluene	13.95	91	119378	5.310	ug/l	98
83) tert-Butylbenzene	14.19	119	127257	4.762	ug/l	95
84) 1,2,4-Trimethylbenzene	14.24	105	111713	4.839	ug/l	98
85) sec-Butylbenzene	14.37	105	158350	5.505	ug/l	98
86) p-Isopropyltoluene	14.49	119	139837	5.310	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	65960	4.405	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	75355	5.337	ug/l	95
89) n-Butylbenzene	14.80	91	125947	5.256	ug/l	96
90) Hexachloroethane	15.01	117	33985	4.621	ug/l	89
91) 1,2-Dichlorobenzene	14.81	146	66140	5.151	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	2861	3.541	ug/l	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	31926	4.959	ug/l	97
94) Hexachlorobutadiene	16.04	225	23454	5.005	ug/l	97
95) Naphthalene	16.13	128	51356	4.968	ug/l	96
96) 1,2,3-Trichlorobenzene	16.28	180	17324	4.837	ug/l	96

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

