

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042319\
 Data File : VD061955.D
 Acq On : 23 Apr 2019 00:17
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Quant Time: Apr 23 08:58:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 08:54:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	465262	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	904737	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	797645	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	342611	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	46041	11.30	ug/l	0.00
Spiked Amount			Recovery	=	22.60%	
35) Dibromofluoromethane	6.93	113	62384	8.93	ug/l	0.00
Spiked Amount			Recovery	=	17.86%	
50) Toluene-d8	10.41	98	152914	9.38	ug/l	0.00
Spiked Amount			Recovery	=	18.76%	
62) 4-Bromofluorobenzene	13.56	95	70877	10.50	ug/l	0.00
Spiked Amount			Recovery	=	21.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	46747	10.289	ug/l	100
3) Chloromethane	1.75	50	37850	10.384	ug/l	91
4) Vinyl Chloride	1.85	62	33256	9.503	ug/l	95
5) Bromomethane	2.17	94	12299	12.986	ug/l #	91
6) Chloroethane	2.27	64	14458	11.991	ug/l	93
7) Trichlorofluoromethane	2.54	101	54231	9.373	ug/l	100
8) Diethyl Ether	2.88	74	14367	9.660	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.16	101	52318	10.280	ug/l	96
10) Methyl Iodide	3.32	142	60957	8.765	ug/l	96
11) Tert butyl alcohol	4.07	59	11461	49.037	ug/l	95
12) 1,1-Dichloroethene	3.14	96	41608	9.765	ug/l	95
13) Acrolein	3.04	56	5819	25.519	ug/l	86
14) Allyl chloride	3.63	41	56606	9.684	ug/l	92
15) Acrylonitrile	4.19	53	34897	47.601	ug/l	93
16) Acetone	3.23	43	46872	50.143	ug/l	99
17) Carbon Disulfide	3.39	76	112613	8.274	ug/l	97
18) Methyl Acetate	3.64	43	19606	10.129	ug/l #	85
19) Methyl tert-butyl Ether	4.24	73	87716	10.500	ug/l	93
20) Methylene Chloride	3.82	84	59636	10.299	ug/l	96
21) trans-1,2-Dichloroethene	4.23	96	48472	10.062	ug/l	92
22) Diisopropyl ether	5.12	45	134849	10.380	ug/l	98
23) Vinyl Acetate	5.06	43	348806	49.892	ug/l	99
24) 1,1-Dichloroethane	4.99	63	81156	10.269	ug/l	99
25) 2-Butanone	6.07	43	54555	48.732	ug/l	96
26) 2,2-Dichloropropane	6.03	77	72459	10.837	ug/l	93
27) cis-1,2-Dichloroethene	6.04	96	57208	10.878	ug/l	96
28) Bromochloromethane	6.44	49	31506	10.374	ug/l	93
29) Tetrahydrofuran	6.46	42	28658	51.735	ug/l	97
30) Chloroform	6.67	83	92735	10.500	ug/l	98
31) Cyclohexane	6.96	56	56300	9.635	ug/l	94
32) 1,1,1-Trichloroethane	6.87	97	82129	10.610	ug/l	95
36) 1,1-Dichloropropene	7.15	75	66789	8.947	ug/l	98
37) Ethyl Acetate	6.18	43	26704	8.275	ug/l	99
38) Carbon Tetrachloride	7.12	117	89527	9.495	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	70466	9.213	ug/l	92
40) Benzene	7.46	78	169333	9.428	ug/l	99
41) Methacrylonitrile	6.45	41	34371	8.915	ug/l	96
42) 1,2-Dichloroethane	7.58	62	65866	10.401	ug/l	93
43) Isopropyl Acetate	9.23	43	45451	10.089	ug/l	97
44) Trichloroethene	8.54	130	65315	9.415	ug/l	90
45) 1,2-Dichloropropane	8.94	63	44368	9.468	ug/l	96
46) Dibromomethane	9.07	93	34833	10.363	ug/l	95
47) Bromodichloromethane	9.38	83	76656	10.021	ug/l	99
48) Methyl methacrylate	9.13	41	27611	10.511	ug/l	95
49) 1,4-Dioxane	9.09	88	5462	190.268	ug/l #	88
51) 4-Methyl-2-Pentanone	10.30	43	136035	48.418	ug/l	97
52) Toluene	10.51	92	117936	10.190	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	67273	9.774	ug/l	96
54) cis-1,3-Dichloropropene	10.04	75	82206	10.147	ug/l	97
55) 1,1,2-Trichloroethane	11.19	97	41670	10.676	ug/l	96
56) Ethyl methacrylate	11.04	69	41207	9.560	ug/l	89
57) 1,3-Dichloropropane	11.41	76	59091	10.006	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.85	63	118846	57.093	ug/l	95
59) 2-Hexanone	11.54	43	106563	52.101	ug/l	94
60) Dibromochloromethane	11.68	129	64090	10.161	ug/l	96
61) 1,2-Dibromoethane	11.80	107	47752	9.898	ug/l	98
64) Tetrachloroethene	11.26	164	54724	9.153	ug/l	96
65) Chlorobenzene	12.40	112	158997	10.515	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	61327	9.701	ug/l	99
67) Ethyl Benzene	12.52	91	235732	9.786	ug/l	99
68) m/p-Xylenes	12.67	106	189267	21.199	ug/l	94
69) o-Xylene	13.05	106	80285	9.445	ug/l	96
70) Styrene	13.07	104	148775	10.244	ug/l	99
71) Bromoform	13.24	173	35695	9.513	ug/l #	97
73) Isopropylbenzene	13.41	105	237007	10.826	ug/l	99
74) N-amyl acetate	13.27	43	57979	9.749	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	46028	10.496	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	46785	10.413	ug/l	97
77) Bromobenzene	13.67	156	63971	10.181	ug/l	98
78) n-propylbenzene	13.77	91	277163	10.892	ug/l	99
79) 2-Chlorotoluene	13.84	91	156883	10.493	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	211157	11.897	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	12403	9.628	ug/l	98
82) 4-Chlorotoluene	13.95	91	196586	11.434	ug/l	99
83) tert-Butylbenzene	14.19	119	206752	10.041	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	201900	11.690	ug/l	97
85) sec-Butylbenzene	14.37	105	253097	11.847	ug/l	94
86) p-Isopropyltoluene	14.49	119	225698	11.387	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	121810	11.146	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	120132	11.140	ug/l	98
89) n-Butylbenzene	14.80	91	204955	11.531	ug/l	99
90) Hexachloroethane	15.01	117	56311	10.358	ug/l	66
91) 1,2-Dichlorobenzene	14.81	146	107499	11.584	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	6014	9.919	ug/l	79

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	49859	9.866	ug/l	95
94) Hexachlorobutadiene	16.04	225	36917	10.129	ug/l	94
95) Naphthalene	16.12	128	76022	9.853	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	27497	9.605	ug/l	89

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

