

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060719\
 Data File : VD062636.D
 Acq On : 7 Jun 2019 11:20
 Operator : FY/SY
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Quant Time: Jun 07 23:30:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 07 23:24:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	716751	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.22	114	972434	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	780949	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	455428	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	99173	9.51	ug/l	0.00
Spiked Amount			Recovery	=	19.02%	
35) Dibromofluoromethane	6.92	113	92094	8.98	ug/l	0.00
Spiked Amount			Recovery	=	17.96%	
50) Toluene-d8	10.41	98	191116	8.75	ug/l	0.00
Spiked Amount			Recovery	=	17.50%	
62) 4-Bromofluorobenzene	13.56	95	87827	8.48	ug/l	0.00
Spiked Amount			Recovery	=	16.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	92359	10.012	ug/l	93
3) Chloromethane	1.76	50	75385	10.434	ug/l	98
4) Vinyl Chloride	1.85	62	69366	9.503	ug/l	99
5) Bromomethane	2.16	94	41929	11.451	ug/l	98
6) Chloroethane	2.28	64	34536	9.157	ug/l #	89
7) Trichlorofluoromethane	2.53	101	165547	9.979	ug/l	96
8) Diethyl Ether	2.88	74	22568	9.975	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.15	101	81135	8.819	ug/l	91
10) Methyl Iodide	3.30	142	101224	8.630	ug/l	94
11) Tert butyl alcohol	4.07	59	19583	43.264	ug/l #	91
12) 1,1-Dichloroethene	3.12	96	56679	8.841	ug/l #	95
13) Acrolein	3.04	56	6687	53.455	ug/l #	79
14) Allyl chloride	3.62	41	87764	8.905	ug/l	98
15) Acrylonitrile	4.20	53	44193	45.097	ug/l #	88
16) Acetone	3.22	43	80386	41.482	ug/l	94
17) Carbon Disulfide	3.37	76	168344	8.788	ug/l #	92
18) Methyl Acetate	3.65	43	31107	9.864	ug/l #	87
19) Methyl tert-butyl Ether	4.25	73	138740	8.776	ug/l	97
20) Methylene Chloride	3.81	84	74575	10.319	ug/l #	92
21) trans-1,2-Dichloroethene	4.22	96	66237	9.224	ug/l	91
22) Diisopropyl ether	5.12	45	178606	8.854	ug/l #	98
23) Vinyl Acetate	5.06	43	541653	42.553	ug/l	97
24) 1,1-Dichloroethane	4.98	63	120008	9.010	ug/l	100
25) 2-Butanone	6.08	43	81106	42.940	ug/l #	91
26) 2,2-Dichloropropane	6.03	77	148227	9.619	ug/l	98
27) cis-1,2-Dichloroethene	6.04	96	68372	8.948	ug/l	93
28) Bromochloromethane	6.44	49	47060	9.867	ug/l	95
29) Tetrahydrofuran	6.46	42	37388	43.987	ug/l	97
30) Chloroform	6.67	83	158818	9.263	ug/l	93
31) Cyclohexane	6.95	56	72585	8.891	ug/l	92
32) 1,1,1-Trichloroethane	6.87	97	153013	8.824	ug/l	97
36) 1,1-Dichloropropene	7.15	75	103331	8.922	ug/l	99
37) Ethyl Acetate	6.19	43	44820	8.877	ug/l #	74
38) Carbon Tetrachloride	7.11	117	166396	9.102	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	8.86	83	79285	8.602	ug/l #	94
40) Benzene	7.46	78	199225	9.030	ug/l	91
41) Methacrylonitrile	6.45	41	54913	9.075	ug/l #	96
42) 1,2-Dichloroethane	7.57	62	120816	9.131	ug/l	95
43) Isopropyl Acetate	9.25	43	50193	8.466	ug/l #	97
44) Trichloroethene	8.54	130	76758	8.429	ug/l	97
45) 1,2-Dichloropropane	8.94	63	48615	9.083	ug/l	92
46) Dibromomethane	9.06	93	40632	8.477	ug/l #	73
47) Bromodichloromethane	9.37	83	115763	8.896	ug/l #	85
48) Methyl methacrylate	9.12	41	41567	9.418	ug/l	98
49) 1,4-Dioxane	9.07	88	5500	157.750	ug/l #	76
51) 4-Methyl-2-Pentanone	10.30	43	185322	44.022	ug/l	97
52) Toluene	10.51	92	128823	8.533	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	92532	8.638	ug/l	94
54) cis-1,3-Dichloropropene	10.03	75	97759	8.820	ug/l	87
55) 1,1,2-Trichloroethane	11.19	97	45189	8.959	ug/l	96
56) Ethyl methacrylate	11.04	69	46524	8.438	ug/l	96
57) 1,3-Dichloropropane	11.40	76	70136	8.841	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	127134	45.879	ug/l	98
59) 2-Hexanone	11.53	43	128052	40.411	ug/l	98
60) Dibromochloromethane	11.69	129	88576	8.841	ug/l	97
61) 1,2-Dibromoethane	11.81	107	54052	8.836	ug/l	97
64) Tetrachloroethene	11.26	164	68054	9.179	ug/l	91
65) Chlorobenzene	12.40	112	166314	9.506	ug/l	92
66) 1,1,1,2-Tetrachloroethane	12.52	131	82488	9.840	ug/l	95
67) Ethyl Benzene	12.53	91	311974	10.030	ug/l	98
68) m/p-Xylenes	12.66	106	218009	19.977	ug/l	96
69) o-Xylene	13.05	106	91413	8.924	ug/l	95
70) Styrene	13.07	104	160688	8.798	ug/l	97
71) Bromoform	13.23	173	51911	8.909	ug/l	97
73) Isopropylbenzene	13.40	105	297666	8.976	ug/l	100
74) N-amyl acetate	13.26	43	74909	8.390	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	48061	8.566	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	52804	8.404	ug/l	95
77) Bromobenzene	13.67	156	86125	9.231	ug/l	79
78) n-propylbenzene	13.78	91	375376	9.351	ug/l	99
79) 2-Chlorotoluene	13.84	91	209691	8.953	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	254638	8.798	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.47	75	13504	8.343	ug/l	88
82) 4-Chlorotoluene	13.94	91	261068	9.265	ug/l	89
83) tert-Butylbenzene	14.19	119	284631	8.815	ug/l	90
84) 1,2,4-Trimethylbenzene	14.24	105	269782	9.278	ug/l	97
85) sec-Butylbenzene	14.37	105	301042	8.965	ug/l	94
86) p-Isopropyltoluene	14.49	119	289695	8.892	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	155985	9.038	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	147915	9.125	ug/l	98
89) n-Butylbenzene	14.80	91	262972	8.859	ug/l	96
90) Hexachloroethane	15.01	117	76171	8.876	ug/l	87
91) 1,2-Dichlorobenzene	14.81	146	129507	9.131	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	10145	8.188	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	93898	8.726	ug/l	96
94) Hexachlorobutadiene	16.04	225	76175	8.965	ug/l	93
95) Naphthalene	16.12	128	122177	8.173	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	63840	7.831	ug/l	93

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

