

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030719\
 Data File : VD060969.D
 Acq On : 7 Mar 2019 15:35
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 3/8/2019 9:46:48 PM

Quant Time: Mar 08 02:15:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 00:56:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	711123	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1166255	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	958504	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	438512	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	57976	9.87	ug/l	0.00
Spiked Amount			Recovery	=	19.74%	
35) Dibromofluoromethane	6.92	113	85055	9.15	ug/l	0.00
Spiked Amount			Recovery	=	18.30%	
50) Toluene-d8	10.40	98	218533	9.35	ug/l	0.00
Spiked Amount			Recovery	=	18.70%	
62) 4-Bromofluorobenzene	13.54	95	94940	10.89	ug/l	0.00
Spiked Amount			Recovery	=	21.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	79473	10.196	ug/l	98
3) Chloromethane	1.76	50	62515	9.695	ug/l	100
4) Vinyl Chloride	1.87	62	53715	9.166	ug/l	98
5) Bromomethane	2.16	94	11718	11.476	ug/l	96
6) Chloroethane	2.28	64	17834	12.216	ug/l	96
7) Trichlorofluoromethane	2.54	101	91850	12.686	ug/l	94
8) Diethyl Ether	2.88	74	27081	8.836	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.16	101	95285	10.161	ug/l	98
10) Methyl Iodide	3.32	142	80443	7.246	ug/l	99
11) Tert butyl alcohol	4.06	59	19304	44.741	ug/l #	93
12) 1,1-Dichloroethene	3.14	96	79172	9.956	ug/l	97
13) Acrolein	3.04	56	26327	44.545	ug/l	97
14) Allyl chloride	3.63	41	119907	9.114	ug/l	97
15) Acrylonitrile	4.20	53	71697	44.059	ug/l	96
16) Acetone	3.22	43	91393	47.609	ug/l	96
17) Carbon Disulfide	3.39	76	246685	8.734	ug/l	99
18) Methyl Acetate	3.65	43	33273	8.438	ug/l	93
19) Methyl tert-butyl Ether	4.24	73	131865	9.322	ug/l	97
20) Methylene Chloride	3.83	84	101406	9.469	ug/l	98
21) trans-1,2-Dichloroethene	4.22	96	80259	9.182	ug/l	93
22) Diisopropyl ether	5.13	45	246830	8.908	ug/l	97
23) Vinyl Acetate	5.06	43	666215	45.883	ug/l	99
24) 1,1-Dichloroethane	4.99	63	134514	9.028	ug/l	96
25) 2-Butanone	6.06	43	95915	40.632	ug/l	98
26) 2,2-Dichloropropane	6.02	77	102555	9.262	ug/l	98
27) cis-1,2-Dichloroethene	6.03	96	82323	8.361	ug/l	94
28) Bromochloromethane	6.44	49	49748	8.035	ug/l	99
29) Tetrahydrofuran	6.45	42	51502	41.713	ug/l	97
30) Chloroform	6.66	83	139882	9.703	ug/l	98
31) Cyclohexane	6.95	56	112165	8.871	ug/l	98
32) 1,1,1-Trichloroethane	6.87	97	118506	9.557	ug/l	96
36) 1,1-Dichloropropene	7.15	75	114954	10.750	ug/l	99
37) Ethyl Acetate	6.18	43	48877	8.946	ug/l #	94
38) Carbon Tetrachloride	7.11	117	128898	11.121	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	114306	9.808	ug/l	96
40) Benzene	7.45	78	265402	9.618	ug/l	99
41) Methacrylonitrile	6.45	41	55783	14.244	ug/l #	91
42) 1,2-Dichloroethane	7.57	62	75952	9.724	ug/l	98
43) Isopropyl Acetate	9.23	43	64544	8.489	ug/l #	99
44) Trichloroethene	8.53	130	87406	9.335	ug/l	94
45) 1,2-Dichloropropane	8.94	63	70816	9.767	ug/l	96
46) Dibromomethane	9.06	93	45051	9.711	ug/l	92
47) Bromodichloromethane	9.37	83	94144	9.144	ug/l	99
48) Methyl methacrylate	9.11	41	40408	9.400	ug/l	100
49) 1,4-Dioxane	9.08	88	8152	184.779	ug/l #	86
51) 4-Methyl-2-Pentanone	10.30	43	216844	46.710	ug/l	98
52) Toluene	10.50	92	178956	10.190	ug/l	96
53) t-1,3-Dichloropropene	10.91	75	92672	9.907	ug/l	97
54) cis-1,3-Dichloropropene	10.03	75	111059	9.679	ug/l	96
55) 1,1,2-Trichloroethane	11.18	97	55705	9.593	ug/l	98
56) Ethyl methacrylate	11.03	69	56272	9.232	ug/l	97
57) 1,3-Dichloropropane	11.40	76	81998	9.768	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.85	63	159131	48.761	ug/l	100
59) 2-Hexanone	11.53	43	150854	46.308	ug/l	94
60) Dibromochloromethane	11.67	129	79595	9.488	ug/l	99
61) 1,2-Dibromoethane	11.80	107	63476	9.303	ug/l	98
64) Tetrachloroethene	11.25	164	70312	9.703	ug/l	96
65) Chlorobenzene	12.39	112	209146	9.963	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	71716	9.444	ug/l	97
67) Ethyl Benzene	12.52	91	317521	10.339	ug/l	98
68) m/p-Xylenes	12.66	106	254831	20.691	ug/l	94
69) o-Xylene	13.04	106	127411	11.124	ug/l	95
70) Styrene	13.06	104	201154	10.522	ug/l	98
71) Bromoform	13.23	173	47950	10.034	ug/l	95
73) Isopropylbenzene	13.40	105	345866	10.320	ug/l	95
74) N-amyl acetate	13.26	43	94088	9.287	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.69	83	66228	9.522	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	69589	9.845	ug/l	100
77) Bromobenzene	13.66	156	85693	9.730	ug/l	86
78) n-propylbenzene	13.77	91	408289	10.436	ug/l	99
79) 2-Chlorotoluene	13.84	91	231999	10.595	ug/l	98
80) 1,3,5-Trimethylbenzene	14.23	105	275135	10.625	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	19293	9.259	ug/l	98
82) 4-Chlorotoluene	13.94	91	269685	10.966	ug/l	91
83) tert-Butylbenzene	14.18	119	279224m	9.686	ug/l	
84) 1,2,4-Trimethylbenzene	14.23	105	275135	10.625	ug/l	98
85) sec-Butylbenzene	14.36	105	370616	11.017	ug/l	96
86) p-Isopropyltoluene	14.49	119	289825	10.458	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	152245	10.170	ug/l	95
88) 1,4-Dichlorobenzene	14.53	146	153833	10.384	ug/l	98
89) n-Butylbenzene	14.79	91	295187	11.381	ug/l	98
90) Hexachloroethane	15.00	117	77805	9.737	ug/l	81
91) 1,2-Dichlorobenzene	14.80	146	137422	10.524	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	7724	9.454	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	60997	8.282	ug/l	98
94) Hexachlorobutadiene	16.04	225	43793	9.303	ug/l	97
95) Naphthalene	16.12	128	89770	7.889	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	29548	7.396	ug/l	97

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

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