

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041519\
 Data File : VD061802.D
 Acq On : 15 Apr 2019 18:42
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD041519

Manual Integrations
 APPROVED

MMDadoda
 4/16/2019 3:13:07 PM

Quant Time: Apr 16 09:18:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:53:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.08	168	689933	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.24	114	1090082	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.39	117	860329	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.53	152	381836	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.48	65	304413	52.65	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	105.30%	
35) Dibromofluoromethane	6.95	113	450502	54.70	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	109.40%	
50) Toluene-d8	10.44	98	1098137	56.28	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	112.56%	
62) 4-Bromofluorobenzene	13.57	95	417099	52.74	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	105.48%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.59	85	354005	52.570	ug/l	99
3) Chloromethane	1.76	50	272699	50.814	ug/l	100
4) Vinyl Chloride	1.86	62	283445	53.218	ug/l	99
5) Bromomethane	2.17	94	73270	62.383	ug/l	94
6) Chloroethane	2.29	64	112239	61.772	ug/l	100
7) Trichlorofluoromethane	2.55	101	426763	49.404	ug/l	100
8) Diethyl Ether	2.89	74	124351	54.930	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.17	101	409912	53.220	ug/l	97
10) Methyl Iodide	3.33	142	610725	49.692	ug/l	99
11) Tert butyl alcohol	4.08	59	87499	256.599	ug/l	99
12) 1,1-Dichloroethene	3.15	96	350653	54.153	ug/l	96
13) Acrolein	3.05	56	78975	239.236	ug/l	95
14) Allyl chloride	3.65	41	505329	57.254	ug/l	98
15) Acrylonitrile	4.23	53	286230	267.375	ug/l	97
16) Acetone	3.24	43	409580	287.401	ug/l	99
17) Carbon Disulfide	3.40	76	1119037	53.487	ug/l	100
18) Methyl Acetate	3.67	43	134341	47.032	ug/l	98
19) Methyl tert-butyl Ether	4.27	73	634158	52.479	ug/l	98
20) Methylene Chloride	3.84	84	381850	54.299	ug/l	100
21) trans-1,2-Dichloroethene	4.26	96	392347	55.135	ug/l	97
22) Diisopropyl ether	5.15	45	955575	50.650	ug/l	96
23) Vinyl Acetate	5.09	43	2707393	268.449	ug/l	99
24) 1,1-Dichloroethane	5.02	63	630339	55.106	ug/l	100
25) 2-Butanone	6.10	43	427129	263.261	ug/l	97
26) 2,2-Dichloropropane	6.06	77	525220	53.122	ug/l	99
27) cis-1,2-Dichloroethene	6.07	96	407378	52.809	ug/l	97
28) Bromochloromethane	6.47	49	230661	53.088	ug/l	91
29) Tetrahydrofuran	6.48	42	214930	271.953	ug/l	98
30) Chloroform	6.70	83	647647	50.762	ug/l	98
31) Cyclohexane	6.99	56	466212	53.241	ug/l	100
32) 1,1,1-Trichloroethane	6.90	97	607155	53.684	ug/l	98
36) 1,1-Dichloropropene	7.18	75	491688	55.198	ug/l	98
37) Ethyl Acetate	6.21	43	179034	46.961	ug/l	94
38) Carbon Tetrachloride	7.15	117	618464m	54.985	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.89	83	509928	55.127	ug/l	99
40) Benzene	7.48	78	1151665	53.853	ug/l	97
41) Methacrylonitrile	6.47	41	241510	53.596	ug/l #	91
42) 1,2-Dichloroethane	7.61	62	392908	52.753	ug/l	99
43) Isopropyl Acetate	9.27	43	282786	52.709	ug/l	98
44) Trichloroethene	8.58	130	443152	53.829	ug/l	96
45) 1,2-Dichloropropane	8.97	63	313741	56.323	ug/l	99
46) Dibromomethane	9.09	93	207052	52.166	ug/l	98
47) Bromodichloromethane	9.40	83	485309	53.000	ug/l	100
48) Methyl methacrylate	9.15	41	168507	53.433	ug/l	97
49) 1,4-Dioxane	9.10	88	36406	1056.182	ug/l	89
51) 4-Methyl-2-Pentanone	10.33	43	864297	263.434	ug/l	99
52) Toluene	10.54	92	696301	50.809	ug/l	96
53) t-1,3-Dichloropropene	10.94	75	436287	52.877	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	489846	50.576	ug/l	99
55) 1,1,2-Trichloroethane	11.22	97	230058	49.819	ug/l	94
56) Ethyl methacrylate	11.07	69	285685	56.367	ug/l	96
57) 1,3-Dichloropropane	11.43	76	382977	55.164	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.89	63	573084	237.724	ug/l	96
59) 2-Hexanone	11.55	43	626981	257.297	ug/l	99
60) Dibromochloromethane	11.71	129	405047	53.606	ug/l	97
61) 1,2-Dibromoethane	11.83	107	278205	48.995	ug/l	99
64) Tetrachloroethene	11.28	164	352118	54.574	ug/l	98
65) Chlorobenzene	12.42	112	875209	54.625	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.53	131	374097	55.716	ug/l	98
67) Ethyl Benzene	12.54	91	1414244	55.118	ug/l	98
68) m/p-Xylenes	12.69	106	993159	103.045	ug/l	96
69) o-Xylene	13.07	106	493100	54.431	ug/l	99
70) Styrene	13.09	104	838944	53.815	ug/l	98
71) Bromoform	13.25	173	219550	55.087	ug/l #	97
73) Isopropylbenzene	13.42	105	1393984	56.292	ug/l	98
74) N-amyl acetate	13.28	43	360439	54.128	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.72	83	271555	55.477	ug/l	97
76) 1,2,3-Trichloropropane	13.75	75	281412	56.119	ug/l	99
77) Bromobenzene	13.69	156	401670	57.101	ug/l	96
78) n-propylbenzene	13.79	91	1504352	52.581	ug/l	100
79) 2-Chlorotoluene	13.85	91	911168	54.517	ug/l	98
80) 1,3,5-Trimethylbenzene	13.95	105	1013197	51.565	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.49	75	83854	51.486	ug/l	97
82) 4-Chlorotoluene	13.96	91	1016785	53.150	ug/l	95
83) tert-Butylbenzene	14.21	119	1330507	57.669	ug/l	93
84) 1,2,4-Trimethylbenzene	14.25	105	1118695	56.640	ug/l	97
85) sec-Butylbenzene	14.39	105	1337186	56.066	ug/l	96
86) p-Isopropyltoluene	14.50	119	1188116	53.242	ug/l	97
87) 1,3-Dichlorobenzene	14.47	146	698636	56.891	ug/l	96
88) 1,4-Dichlorobenzene	14.55	146	663049	54.621	ug/l	96
89) n-Butylbenzene	14.81	91	1109732	56.180	ug/l	96
90) Hexachloroethane	15.03	117	347711	57.168	ug/l	85
91) 1,2-Dichlorobenzene	14.82	146	564006	54.830	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	38042	54.064	ug/l	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	317235	56.151	µg/l	96
94) Hexachlorobutadiene	16.05	225	234825	57.355	µg/l	99
95) Naphthalene	16.14	128	462351	53.393	µg/l	98
96) 1,2,3-Trichlorobenzene	16.29	180	168113	52.216	µg/l	96

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

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