

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032619\
 Data File : VD061335.D
 Acq On : 26 Mar 2019 14:50
 Operator : VA/AP
 Sample : VD0326SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0326SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 12:02:25 PM

Quant Time: Mar 27 01:59:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 03:31:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	805833	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.21	114	1306721	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.36	117	1073084	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	451663	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	310521	44.66	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	89.32%	
35) Dibromofluoromethane	6.91	113	496708	49.68	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	99.36%	
50) Toluene-d8	10.40	98	1275925	52.63	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	105.26%	
62) 4-Bromofluorobenzene	13.55	95	431548	45.63	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	147049	17.848	ug/l	92
3) Chloromethane	1.77	50	127586	19.851	ug/l	96
4) Vinyl Chloride	1.85	62	111804	18.605	ug/l	99
5) Bromomethane	2.15	94	19495	15.983	ug/l	98
6) Chloroethane	2.27	64	26029	13.768	ug/l	99
7) Trichlorofluoromethane	2.53	101	153583	17.290	ug/l	95
8) Diethyl Ether	2.88	74	49722	18.826	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.15	101	167326	18.507	ug/l	96
10) Methyl Iodide	3.31	142	193320	15.305	ug/l	94
11) Tert butyl alcohol	4.05	59	36583	98.846	ug/l	97
12) 1,1-Dichloroethene	3.13	96	150789	19.382	ug/l	98
13) Acrolein	3.04	56	38391	94.767	ug/l	99
14) Allyl chloride	3.62	41	201542	18.262	ug/l	99
15) Acrylonitrile	4.19	53	125875	96.709	ug/l	98
16) Acetone	3.22	43	136563	82.119	ug/l	96
17) Carbon Disulfide	3.38	76	480469	18.596	ug/l	99
18) Methyl Acetate	3.64	43	61284	19.496	ug/l	100
19) Methyl tert-butyl Ether	4.24	73	259789	18.961	ug/l	98
20) Methylene Chloride	3.81	84	181522	19.232	ug/l	94
21) trans-1,2-Dichloroethene	4.22	96	158416	18.202	ug/l	98
22) Diisopropyl ether	5.11	45	435680	18.740	ug/l	97
23) Vinyl Acetate	5.05	43	1158581	93.306	ug/l	100
24) 1,1-Dichloroethane	4.98	63	254910	18.815	ug/l	98
25) 2-Butanone	6.06	43	191672	99.648	ug/l	98
26) 2,2-Dichloropropane	6.02	77	206563	17.956	ug/l	95
27) cis-1,2-Dichloroethene	6.04	96	180558	19.278	ug/l	97
28) Bromochloromethane	6.43	49	112418	19.824	ug/l	98
29) Tetrahydrofuran	6.45	42	96977	101.290	ug/l	99
30) Chloroform	6.66	83	271466	18.803	ug/l	99
31) Cyclohexane	6.94	56	198379	18.041	ug/l	97
32) 1,1,1-Trichloroethane	6.86	97	237881	18.604	ug/l	97
36) 1,1-Dichloropropene	7.14	75	206660	19.330	ug/l	97
37) Ethyl Acetate	6.18	43	90201m	20.200	ug/l	
38) Carbon Tetrachloride	7.10	117	225664	18.468	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	202880	18.323	ug/l	98
40) Benzene	7.46	78	485051	18.268	ug/l	98
41) Methacrylonitrile	6.43	41	102792	19.809	ug/l #	92
42) 1,2-Dichloroethane	7.57	62	153973	18.607	ug/l	98
43) Isopropyl Acetate	9.23	43	133459	20.728	ug/l #	97
44) Trichloroethene	8.54	130	182617	19.017	ug/l	95
45) 1,2-Dichloropropane	8.93	63	127468	19.451	ug/l	96
46) Dibromomethane	9.05	93	85211	18.970	ug/l	97
47) Bromodichloromethane	9.36	83	194909	18.512	ug/l	99
48) Methyl methacrylate	9.11	41	71971	20.943	ug/l	98
49) 1,4-Dioxane	9.07	88	15285	405.375	ug/l #	85
51) 4-Methyl-2-Pentanone	10.29	43	397499	103.707	ug/l	99
52) Toluene	10.50	92	320745	19.742	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	177639	19.414	ug/l	97
54) cis-1,3-Dichloropropene	10.03	75	211975	18.972	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	111868	20.740	ug/l	97
56) Ethyl methacrylate	11.03	69	117690	20.448	ug/l	97
57) 1,3-Dichloropropane	11.40	76	157779	19.369	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.85	63	337558	112.734	ug/l	98
59) 2-Hexanone	11.52	43	298614	107.268	ug/l	98
60) Dibromochloromethane	11.68	129	170392	20.170	ug/l	95
61) 1,2-Dibromoethane	11.80	107	131419	20.853	ug/l	99
64) Tetrachloroethene	11.25	164	148238	20.053	ug/l	94
65) Chlorobenzene	12.40	112	388340	19.648	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	149907	19.562	ug/l	97
67) Ethyl Benzene	12.52	91	608294	20.110	ug/l	97
68) m/p-Xylenes	12.66	106	448216	37.960	ug/l	98
69) o-Xylene	13.05	106	220621	20.146	ug/l	97
70) Styrene	13.07	104	375197	20.188	ug/l	97
71) Bromoform	13.23	173	91185	19.445	ug/l	96
73) Isopropylbenzene	13.40	105	539433	18.362	ug/l	100
74) N-amyl acetate	13.26	43	145414	18.920	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	124662	21.882	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	116176	20.683	ug/l	95
77) Bromobenzene	13.67	156	169850	20.699	ug/l	95
78) n-propylbenzene	13.77	91	732338	22.096	ug/l	100
79) 2-Chlorotoluene	13.83	91	394248	20.430	ug/l	99
80) 1,3,5-Trimethylbenzene	14.23	105	466460	20.128	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.47	75	37061	20.907	ug/l	95
82) 4-Chlorotoluene	13.94	91	433745	20.560	ug/l	100
83) tert-Butylbenzene	14.19	119	543066	20.523	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	466460	20.128	ug/l	96
85) sec-Butylbenzene	14.37	105	613463	20.818	ug/l	99
86) p-Isopropyltoluene	14.48	119	525241	19.978	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	290217	19.953	ug/l	100
88) 1,4-Dichlorobenzene	14.53	146	282920	20.080	ug/l	99
89) n-Butylbenzene	14.80	91	497056	21.295	ug/l	95
90) Hexachloroethane	15.01	117	135620	19.240	ug/l	92
91) 1,2-Dichlorobenzene	14.81	146	258014	22.231	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	13811	19.401	ug/l	87

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93) 1,2,4-Trichlorobenzene	15.94	180	114629	21.385	ug/l	98
94) Hexachlorobutadiene	16.03	225	81213	18.804	ug/l	97
95) Naphthalene	16.12	128	186732	23.876	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	44468	17.762	ug/l	99

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

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