

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120618\
 Data File : VD060503.D
 Acq On : 6 Dec 2018 14:11
 Operator : VA/AP
 Sample : VD1206SBS01
 Misc : 5.00µg/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1206SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/7/2018 5:03:35 PM

Quant Time: Dec 07 03:58:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1610995	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.44	114	2214494	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1702626	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	866021	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.78	65	574698	50.33	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	100.66%	
35) Dibromofluoromethane	6.32	113	838093	51.52	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.04%	
50) Toluene-d8	9.45	98	2432195	51.67	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.34%	
62) 4-Bromofluorobenzene	12.43	95	832840	49.45	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	420459	24.009	ug/l	95
3) Chloromethane	1.77	50	368681	22.274	ug/l	98
4) Vinyl Chloride	1.87	62	290727	22.008	ug/l	99
5) Bromomethane	2.16	94	51454	15.569	ug/l	98
6) Chloroethane	2.27	64	73021	16.052	ug/l	97
7) Trichlorofluoromethane	2.52	101	305174	20.007	ug/l	97
8) Diethyl Ether	2.83	74	53972	20.485	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.10	101	204537	20.667	ug/l	98
10) Methyl Iodide	3.25	142	227917	19.701	ug/l	98
11) Tert butyl alcohol	3.98	59	41980	90.492	ug/l #	89
12) 1,1-Dichloroethene	3.08	96	167875	20.848	ug/l	99
13) Acrolein	2.99	56	51797	102.183	ug/l	94
14) Allyl chloride	3.54	41	318384	20.840	ug/l	98
15) Acrylonitrile	4.09	53	268128	101.791	ug/l	97
16) Acetone	3.17	43	178943	97.766	ug/l	100
17) Carbon Disulfide	3.32	76	549085	20.993	ug/l	99
18) Methyl Acetate	3.57	43	86711	19.933	ug/l	100
19) Methyl tert-butyl Ether	4.13	73	444328	19.898	ug/l	98
20) Methylene Chloride	3.73	84	386059	20.316	ug/l	99
21) trans-1,2-Dichloroethene	4.10	96	355268	20.283	ug/l	96
22) Diisopropyl ether	4.86	45	1100826	20.069	ug/l	99
23) Vinyl Acetate	4.81	43	2716987	99.974	ug/l	100
24) 1,1-Dichloroethane	4.76	63	557153	19.552	ug/l	99
25) 2-Butanone	5.63	43	359318	99.783	ug/l	98
26) 2,2-Dichloropropane	5.59	77	452864	20.572	ug/l	99
27) cis-1,2-Dichloroethene	5.60	96	365149	20.503	ug/l	99
28) Bromochloromethane	5.92	49	242098	19.178	ug/l	96
29) Tetrahydrofuran	5.95	42	192758	94.528	ug/l	98
30) Chloroform	6.10	83	565936	19.713	ug/l	98
31) Cyclohexane	6.36	56	556164	20.569	ug/l	99
32) 1,1,1-Trichloroethane	6.29	97	481511	20.402	ug/l	99
36) 1,1-Dichloropropene	6.52	75	451015	20.836	ug/l	99
37) Ethyl Acetate	5.69	43	186972	19.917	ug/l	96
38) Carbon Tetrachloride	6.50	117	406295	20.907	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	507867	20.581	ug/l	99
40) Benzene	6.79	78	1139714	20.602	ug/l	100
41) Methacrylonitrile	5.92	41	91647m	18.110	ug/l	
42) 1,2-Dichloroethane	6.90	62	287906	20.469	ug/l	99
43) Isopropyl Acetate	8.34	43	231599	19.985	ug/l #	99
44) Trichloroethene	7.73	130	344792	20.855	ug/l	100
45) 1,2-Dichloropropane	8.10	63	277061	20.250	ug/l	100
46) Dibromomethane	8.21	93	156261	19.767	ug/l	90
47) Bromodichloromethane	8.49	83	372158	19.841	ug/l	99
48) Methyl methacrylate	8.24	41	142598	20.797	ug/l	98
49) 1,4-Dioxane	8.22	88	26211	421.772	ug/l	92
51) 4-Methyl-2-Pentanone	9.34	43	752434	104.382	ug/l	99
52) Toluene	9.54	92	714376	20.660	ug/l	98
53) t-1,3-Dichloropropene	9.92	75	303561	19.696	ug/l	98
54) cis-1,3-Dichloropropene	9.10	75	406937	20.096	ug/l	96
55) 1,1,2-Trichloroethane	10.17	97	192534	19.995	ug/l	97
56) Ethyl methacrylate	10.02	69	178752	20.512	ug/l	99
57) 1,3-Dichloropropane	10.38	76	302643	20.332	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.92	63	544941	104.509	ug/l	100
59) 2-Hexanone	10.49	43	519240	103.053	ug/l	100
60) Dibromochloromethane	10.63	129	241444	20.055	ug/l	97
61) 1,2-Dibromoethane	10.75	107	190230	19.386	ug/l	100
64) Tetrachloroethene	10.25	164	318083	21.098	ug/l	100
65) Chlorobenzene	11.30	112	753968	20.932	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	246002	21.189	ug/l	99
67) Ethyl Benzene	11.42	91	1347779	21.937	ug/l	98
68) m/p-Xylenes	11.56	106	985946	43.377	ug/l	99
69) o-Xylene	11.93	106	461891	21.323	ug/l	98
70) Styrene	11.95	104	760344	21.868	ug/l	99
71) Bromoform	12.11	173	153402	19.805	ug/l	98
73) Isopropylbenzene	12.27	105	1296494	21.156	ug/l	100
74) N-amyl acetate	12.13	43	304376	20.551	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	193347	19.707	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	200197	20.402	ug/l	95
77) Bromobenzene	12.53	156	321057	19.931	ug/l	98
78) n-propylbenzene	12.63	91	1625121	20.978	ug/l	99
79) 2-Chlorotoluene	12.70	91	890040	21.173	ug/l	97
80) 1,3,5-Trimethylbenzene	12.79	105	982327	20.978	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.34	75	55519	20.286	ug/l	94
82) 4-Chlorotoluene	12.81	91	957977	20.290	ug/l	98
83) tert-Butylbenzene	13.05	119	1093952	20.836	ug/l	98
84) 1,2,4-Trimethylbenzene	13.09	105	1007508	20.779	ug/l	98
85) sec-Butylbenzene	13.22	105	1332816	20.367	ug/l	96
86) p-Isopropyltoluene	13.34	119	1084930	20.914	ug/l	100
87) 1,3-Dichlorobenzene	13.31	146	596591	20.455	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	588997	20.586	ug/l	99
89) n-Butylbenzene	13.65	91	1189366	20.638	ug/l	98
90) Hexachloroethane	13.85	117	259597	19.959	ug/l	91
91) 1,2-Dichlorobenzene	13.66	146	515665	21.635	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.23	75	23699	19.936	ug/l	62

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93) 1,2,4-Trichlorobenzene	14.79	180	399084	21.419	ug/l	98
94) Hexachlorobutadiene	14.88	225	295805	21.517	ug/l	98
95) Naphthalene	14.96	128	470616	21.231	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	294904	19.864	ug/l	98

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

