

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121118\
 Data File : VD060529.D
 Acq On : 11 Dec 2018 12:14
 Operator : VA/AP
 Sample : VD1211SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBSD01

Manual Integrations
 APPROVED

MMDadoda
 12/12/2018 1:30:04 PM

Quant Time: Dec 12 03:29:02 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	6.41	168	1568000	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.44	114	2151264	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	1716408	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	892079	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	617196	55.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.06%	
35) Dibromofluoromethane	6.33	113	866503	54.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.68%	
50) Toluene-d8	9.46	98	2506753	54.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.64%	
62) 4-Bromofluorobenzene	12.42	95	872205	53.31	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	106.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.61	85	419579	24.808	ug/l	98
3) Chloromethane	1.77	50	366446	22.746	ug/l	96
4) Vinyl Chloride	1.87	62	290863	22.622	ug/l	99
5) Bromomethane	2.17	94	51385	15.975	ug/l	95
6) Chloroethane	2.28	64	71265	16.092	ug/l	98
7) Trichlorofluoromethane	2.52	101	302013	20.343	ug/l	100
8) Diethyl Ether	2.84	74	51445	20.062	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.10	101	199401	20.700	ug/l	99
10) Methyl Iodide	3.26	142	220136	19.551	ug/l	96
11) Tert butyl alcohol	4.01	59	43486	96.309	ug/l	99
12) 1,1-Dichloroethene	3.09	96	160500	20.479	ug/l	91
13) Acrolein	2.99	56	49187	99.695	ug/l	91
14) Allyl chloride	3.55	41	308935	20.776	ug/l	100
15) Acrylonitrile	4.11	53	275584	107.490	ug/l	95
16) Acetone	3.18	43	169382	95.080	ug/l	95
17) Carbon Disulfide	3.33	76	516909	20.304	ug/l	100
18) Methyl Acetate	3.56	43	88154	20.821	ug/l	99
19) Methyl tert-butyl Ether	4.14	73	470280	21.638	ug/l	98
20) Methylene Chloride	3.73	84	357344	19.080	ug/l	98
21) trans-1,2-Dichloroethene	4.12	96	359051	21.061	ug/l	98
22) Diisopropyl ether	4.86	45	1155145	21.637	ug/l	99
23) Vinyl Acetate	4.81	43	2879250	108.849	ug/l	98
24) 1,1-Dichloroethane	4.77	63	589450	21.253	ug/l	100
25) 2-Butanone	5.63	43	372145	106.179	ug/l	97
26) 2,2-Dichloropropane	5.59	77	468836	21.881	ug/l	98
27) cis-1,2-Dichloroethene	5.60	96	364828	21.047	ug/l	97
28) Bromochloromethane	5.94	49	246026	20.024	ug/l	97
29) Tetrahydrofuran	5.97	42	214116	107.881	ug/l	98
30) Chloroform	6.10	83	589414	21.094	ug/l	97
31) Cyclohexane	6.37	56	563044	21.561	ug/l	99
32) 1,1,1-Trichloroethane	6.30	97	489550	21.312	ug/l	99
36) 1,1-Dichloropropene	6.53	75	457831	21.772	ug/l	100
37) Ethyl Acetate	5.70	43	202831	22.241	ug/l	98
38) Carbon Tetrachloride	6.51	117	414942	21.980	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	514204	21.450	ug/l	99
40) Benzene	6.80	78	1154847	21.489	ug/l	99
41) Methacrylonitrile	5.94	41	95777m	19.482	ug/l	
42) 1,2-Dichloroethane	6.90	62	296742	21.717	ug/l	98
43) Isopropyl Acetate	8.35	43	259866	23.084	ug/l #	98
44) Trichloroethene	7.75	130	340657	21.211	ug/l	99
45) 1,2-Dichloropropane	8.10	63	280790	21.125	ug/l	95
46) Dibromomethane	8.22	93	164971	21.482	ug/l	98
47) Bromodichloromethane	8.50	83	391966	21.511	ug/l	100
48) Methyl methacrylate	8.25	41	151062	22.679	ug/l	99
49) 1,4-Dioxane	8.23	88	28526	472.515	ug/l	92
51) 4-Methyl-2-Pentanone	9.34	43	768909	109.803	ug/l	99
52) Toluene	9.55	92	731944	21.791	ug/l	97
53) t-1,3-Dichloropropene	9.92	75	327115	21.848	ug/l	98
54) cis-1,3-Dichloropropene	9.11	75	423899	21.549	ug/l	99
55) 1,1,2-Trichloroethane	10.18	97	197904	21.157	ug/l	96
56) Ethyl methacrylate	10.03	69	187524	22.151	ug/l	98
57) 1,3-Dichloropropane	10.38	76	316908	21.916	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.93	63	590447	116.565	ug/l	99
59) 2-Hexanone	10.49	43	551104	112.592	ug/l	99
60) Dibromochloromethane	10.64	129	252336	21.576	ug/l	99
61) 1,2-Dibromoethane	10.76	107	210151	22.045	ug/l	98
64) Tetrachloroethene	10.26	164	315796	20.778	ug/l	100
65) Chlorobenzene	11.31	112	798903	22.001	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.42	131	257540	22.005	ug/l	99
67) Ethyl Benzene	11.43	91	1366481	22.062	ug/l	98
68) m/p-Xylenes	11.57	106	1018356	44.443	ug/l	94
69) o-Xylene	11.93	106	475774	21.787	ug/l	92
70) Styrene	11.96	104	756681	21.588	ug/l	99
71) Bromoform	12.12	173	164053	21.010	ug/l	99
73) Isopropylbenzene	12.27	105	1334980	21.148	ug/l	100
74) N-amyl acetate	12.14	43	329015	21.565	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	211825	20.960	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	215268	21.297	ug/l	100
77) Bromobenzene	12.54	156	340197	20.502	ug/l	99
78) n-propylbenzene	12.64	91	1688220	21.156	ug/l	98
79) 2-Chlorotoluene	12.71	91	917675	21.193	ug/l	99
80) 1,3,5-Trimethylbenzene	12.80	105	1054077	21.852	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	59308	21.038	ug/l	96
82) 4-Chlorotoluene	12.81	91	1054970	21.692	ug/l	88
83) tert-Butylbenzene	13.04	119	1143675	21.146	ug/l	89
84) 1,2,4-Trimethylbenzene	13.09	105	1057794	21.179	ug/l	99
85) sec-Butylbenzene	13.22	105	1396123	20.711	ug/l	99
86) p-Isopropyltoluene	13.34	119	1135352	21.247	ug/l	96
87) 1,3-Dichlorobenzene	13.31	146	633145	21.074	ug/l	96
88) 1,4-Dichlorobenzene	13.39	146	605008	20.527	ug/l	95
89) n-Butylbenzene	13.64	91	1220024	20.544	ug/l	97
90) Hexachloroethane	13.86	117	265768	19.837	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	533853	21.744	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.22	75	26173	21.374	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	397923	20.732	ug/l	96
94) Hexachlorobutadiene	14.88	225	287696	20.316	ug/l	98
95) Naphthalene	14.97	128	477549	20.915	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	318162	20.804	ug/l	98

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

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