

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122618\
 Data File : VD060712.D
 Acq On : 26 Dec 2018 12:11
 Operator : VA/AP
 Sample : VD1226SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBS01

Manual Integrations
 APPROVED

apatel
 12/27/2018 10:48:02 AM

Quant Time: Dec 27 02:05:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 17:37:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1519917	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.42	114	2082987	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1666698	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.36	152	864313	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	534544	50.89	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	101.78%	
35) Dibromofluoromethane	6.31	113	783218	51.37	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.74%	
50) Toluene-d8	9.44	98	2323468	51.08	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.16%	
62) 4-Bromofluorobenzene	12.41	95	805617	50.57	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	101.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.60	85	340548	17.535	ug/l	99
3) Chloromethane	1.77	50	313676	17.550	ug/l	94
4) Vinyl Chloride	1.87	62	255706	18.020	ug/l	99
5) Bromomethane	2.15	94	38174	12.010	ug/l	97
6) Chloroethane	2.26	64	64226	15.166	ug/l	91
7) Trichlorofluoromethane	2.51	101	286309	18.140	ug/l	99
8) Diethyl Ether	2.82	74	48801	18.480	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.09	101	191644	18.719	ug/l	98
10) Methyl Iodide	3.25	142	191377	17.786	ug/l	99
11) Tert butyl alcohol	3.95	59	51179	116.588	ug/l #	94
12) 1,1-Dichloroethene	3.07	96	153891	18.293	ug/l	97
13) Acrolein	2.98	56	43033	96.199	ug/l	95
14) Allyl chloride	3.53	41	280045	18.142	ug/l	97
15) Acrylonitrile	4.07	53	252952	99.255	ug/l	96
16) Acetone	3.16	43	181098	98.727	ug/l	100
17) Carbon Disulfide	3.31	76	475034	17.682	ug/l	98
18) Methyl Acetate	3.55	43	75179	16.537	ug/l	99
19) Methyl tert-butyl Ether	4.11	73	426377	19.978	ug/l	98
20) Methylene Chloride	3.71	84	521648	27.383	ug/l	99
21) trans-1,2-Dichloroethene	4.09	96	327961	19.037	ug/l	99
22) Diisopropyl ether	4.84	45	1036842	19.783	ug/l	97
23) Vinyl Acetate	4.79	43	2561944	101.039	ug/l	99
24) 1,1-Dichloroethane	4.74	63	538343	19.528	ug/l	98
25) 2-Butanone	5.61	43	355237	101.204	ug/l	100
26) 2,2-Dichloropropane	5.57	77	434295	19.958	ug/l	100
27) cis-1,2-Dichloroethene	5.58	96	346359	19.805	ug/l	96
28) Bromochloromethane	5.90	49	220597	18.942	ug/l	98
29) Tetrahydrofuran	5.93	42	199379	100.196	ug/l	99
30) Chloroform	6.08	83	537557	19.379	ug/l	98
31) Cyclohexane	6.35	56	518155	19.532	ug/l	98
32) 1,1,1-Trichloroethane	6.28	97	452341	19.710	ug/l	98
36) 1,1-Dichloropropene	6.50	75	418828	19.527	ug/l	96
37) Ethyl Acetate	5.68	43	180253	20.094	ug/l #	94
38) Carbon Tetrachloride	6.48	117	364538	19.265	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	478628	19.566	ug/l	99
40) Benzene	6.77	78	1070019	19.313	ug/l	98
41) Methacrylonitrile	5.93	41	120392m	24.263	ug/l	
42) 1,2-Dichloroethane	6.88	62	269173	19.578	ug/l	100
43) Isopropyl Acetate	8.32	43	228663	19.864	ug/l	97
44) Trichloroethene	7.71	130	326582	19.915	ug/l	97
45) 1,2-Dichloropropane	8.08	63	269730	19.852	ug/l	98
46) Dibromomethane	8.20	93	156863	20.228	ug/l	98
47) Bromodichloromethane	8.47	83	360682	19.637	ug/l	97
48) Methyl methacrylate	8.23	41	140674	20.120	ug/l	97
49) 1,4-Dioxane	8.21	88	26855	413.095	ug/l #	93
51) 4-Methyl-2-Pentanone	9.32	43	718012	101.804	ug/l	99
52) Toluene	9.52	92	680630	19.596	ug/l	99
53) t-1,3-Dichloropropene	9.90	75	301704	19.689	ug/l	99
54) cis-1,3-Dichloropropene	9.08	75	397686	19.828	ug/l	99
55) 1,1,2-Trichloroethane	10.15	97	189587	20.287	ug/l	98
56) Ethyl methacrylate	10.01	69	169451	19.522	ug/l	98
57) 1,3-Dichloropropane	10.36	76	294360	19.872	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.90	63	548253	107.196	ug/l	99
59) 2-Hexanone	10.47	43	512997	103.913	ug/l	99
60) Dibromochloromethane	10.62	129	227921	19.147	ug/l	98
61) 1,2-Dibromoethane	10.73	107	195754	20.195	ug/l	93
64) Tetrachloroethene	10.23	164	304446	20.153	ug/l	99
65) Chlorobenzene	11.30	112	745400	20.243	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.40	131	238417	20.137	ug/l	98
67) Ethyl Benzene	11.41	91	1250880	19.835	ug/l	100
68) m/p-Xylenes	11.55	106	955123	41.443	ug/l	97
69) o-Xylene	11.92	106	443790	20.297	ug/l	90
70) Styrene	11.94	104	713232	20.253	ug/l	96
71) Bromoform	12.10	173	156715	20.052	ug/l	93
73) Isopropylbenzene	12.26	105	1267359	20.595	ug/l	100
74) N-amyl acetate	12.12	43	302055	20.797	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	203480	20.400	ug/l	98
76) 1,2,3-Trichloropropane	12.58	75	205118	20.845	ug/l	98
77) Bromobenzene	12.53	156	324776	19.990	ug/l	96
78) n-propylbenzene	12.62	91	1632644	20.752	ug/l	100
79) 2-Chlorotoluene	12.69	91	879098	20.863	ug/l	96
80) 1,3,5-Trimethylbenzene	12.78	105	994179	20.922	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.33	75	54696	20.116	ug/l	97
82) 4-Chlorotoluene	12.79	91	992575	20.782	ug/l	98
83) tert-Butylbenzene	13.03	119	1108912	20.505	ug/l	89
84) 1,2,4-Trimethylbenzene	13.08	105	995983	20.351	ug/l	100
85) sec-Butylbenzene	13.20	105	1326956	20.120	ug/l	100
86) p-Isopropyltoluene	13.33	119	1133124	21.284	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	614446	20.602	ug/l	96
88) 1,4-Dichlorobenzene	13.37	146	603888	20.548	ug/l	95
89) n-Butylbenzene	13.64	91	1173747	21.575	ug/l	100
90) Hexachloroethane	13.84	117	271005	20.721	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	519752	21.725	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	24853	21.209	ug/l	62

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	395794	20.790	ug/l	99
94) Hexachlorobutadiene	14.87	225	291398	20.708	ug/l	99
95) Naphthalene	14.96	128	458116	20.247	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	309780	20.816	ug/l	99

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

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