

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122718\
 Data File : VD060722.D
 Acq On : 27 Dec 2018 13:15
 Operator : VA/AP
 Sample : VD1227SBS01
 Misc : 5.00µg/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

Manual Integrations
 APPROVED

apatel
 12/28/2018 9:47:05 AM

Quant Time: Dec 28 08:24:24 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	6.37	168	1451912	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.41	114	1972644	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.25	117	1550634	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	13.35	152	811039	50.00	ug/l	-0.03

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.75	65	510689	50.90	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	101.80%	
35) Dibromofluoromethane	6.28	113	792268	54.87	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	109.74%	
50) Toluene-d8	9.42	98	2279503	52.91	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	105.82%	
62) 4-Bromofluorobenzene	12.41	95	791727	52.47	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	104.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	338160	18.228	ug/l	97
3) Chloromethane	1.76	50	316709	18.550	ug/l	99
4) Vinyl Chloride	1.85	62	248512	18.333	ug/l	98
5) Bromomethane	2.14	94	39658	13.061	ug/l	92
6) Chloroethane	2.25	64	73506	18.170	ug/l	98
7) Trichlorofluoromethane	2.50	101	287348	19.058	ug/l	99
8) Diethyl Ether	2.81	74	47561	18.854	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.07	101	193866	19.823	ug/l	98
10) Methyl Iodide	3.22	142	184455	17.946	ug/l	98
11) Tert butyl alcohol	3.94	59	36596	87.272	ug/l	96
12) 1,1-Dichloroethene	3.06	96	159476	19.845	ug/l	97
13) Acrolein	2.97	56	33856	79.229	ug/l	97
14) Allyl chloride	3.51	41	280166	19.000	ug/l	98
15) Acrylonitrile	4.05	53	235977	96.931	ug/l	97
16) Acetone	3.14	43	168835	96.353	ug/l	98
17) Carbon Disulfide	3.29	76	455096	17.733	ug/l	99
18) Methyl Acetate	3.53	43	75960	17.492	ug/l	96
19) Methyl tert-butyl Ether	4.09	73	408422	20.033	ug/l	99
20) Methylene Chloride	3.70	84	327026	17.971	ug/l	96
21) trans-1,2-Dichloroethene	4.07	96	326541	19.842	ug/l	99
22) Diisopropyl ether	4.82	45	985296	19.680	ug/l	99
23) Vinyl Acetate	4.77	43	2350240	97.031	ug/l	99
24) 1,1-Dichloroethane	4.72	63	518876	19.704	ug/l	99
25) 2-Butanone	5.59	43	311015	92.755	ug/l	96
26) 2,2-Dichloropropane	5.56	77	413408	19.888	ug/l	97
27) cis-1,2-Dichloroethene	5.56	96	328014	19.634	ug/l	96
28) Bromochloromethane	5.89	49	196153	17.632	ug/l	95
29) Tetrahydrofuran	5.92	42	177071	93.154	ug/l	99
30) Chloroform	6.07	83	530807	20.032	ug/l	98
31) Cyclohexane	6.33	56	496209	19.580	ug/l	99
32) 1,1,1-Trichloroethane	6.25	97	433439	19.771	ug/l	97
36) 1,1-Dichloropropene	6.49	75	406874	20.030	ug/l	98
37) Ethyl Acetate	5.66	43	168290	19.810	ug/l	96
38) Carbon Tetrachloride	6.46	117	365392	20.390	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.01	83	466085	20.119	ug/l	99
40) Benzene	6.76	78	1015585	19.356	ug/l	98
41) Methacrylonitrile	5.90	41	102075m	21.722	ug/l	
42) 1,2-Dichloroethane	6.86	62	255332	19.610	ug/l	98
43) Isopropyl Acetate	8.31	43	201821	18.512	ug/l #	100
44) Trichloroethene	7.70	130	308804	19.885	ug/l	98
45) 1,2-Dichloropropane	8.07	63	250296	19.452	ug/l	98
46) Dibromomethane	8.18	93	143364	19.521	ug/l	97
47) Bromodichloromethane	8.45	83	346046	19.894	ug/l	100
48) Methyl methacrylate	8.21	41	128223	19.365	ug/l	99
49) 1,4-Dioxane	8.19	88	23412	380.278	ug/l #	79
51) 4-Methyl-2-Pentanone	9.31	43	653617	97.857	ug/l	99
52) Toluene	9.51	92	658583	20.022	ug/l	98
53) t-1,3-Dichloropropene	9.89	75	281221	19.379	ug/l	98
54) cis-1,3-Dichloropropene	9.07	75	373734	19.676	ug/l	99
55) 1,1,2-Trichloroethane	10.15	97	181289	20.484	ug/l	96
56) Ethyl methacrylate	9.99	69	151264	18.402	ug/l	98
57) 1,3-Dichloropropane	10.35	76	267449	19.066	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.89	63	491896	101.557	ug/l	97
59) 2-Hexanone	10.46	43	454177	97.145	ug/l	96
60) Dibromochloromethane	10.61	129	224624	19.926	ug/l	99
61) 1,2-Dibromoethane	10.73	107	137552	14.984	ug/l	100
64) Tetrachloroethene	10.22	164	296398	21.089	ug/l	98
65) Chlorobenzene	11.28	112	705746	20.600	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.39	131	231402	21.007	ug/l	98
67) Ethyl Benzene	11.40	91	1253492	21.364	ug/l	98
68) m/p-Xylenes	11.54	106	930553	43.399	ug/l	97
69) o-Xylene	11.91	106	428601	21.069	ug/l	94
70) Styrene	11.93	104	693057	21.153	ug/l	99
71) Bromoform	12.09	173	145373	19.993	ug/l	94
73) Isopropylbenzene	12.26	105	1180292	20.440	ug/l	99
74) N-amyl acetate	12.11	43	262003	19.225	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.54	83	183374	19.592	ug/l	98
76) 1,2,3-Trichloropropane	12.57	75	185111	20.048	ug/l	100
77) Bromobenzene	12.52	156	313106	20.538	ug/l	90
78) n-propylbenzene	12.62	91	1541750	20.884	ug/l	99
79) 2-Chlorotoluene	12.68	91	825833	20.886	ug/l	95
80) 1,3,5-Trimethylbenzene	12.77	105	974152	21.847	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.32	75	48191	18.888	ug/l	92
82) 4-Chlorotoluene	12.79	91	989345	22.075	ug/l	95
83) tert-Butylbenzene	13.03	119	1071051	21.106	ug/l	92
84) 1,2,4-Trimethylbenzene	13.07	105	933342	20.323	ug/l	99
85) sec-Butylbenzene	13.20	105	1324347	21.400	ug/l	98
86) p-Isopropyltoluene	13.32	119	1081821	21.656	ug/l	97
87) 1,3-Dichlorobenzene	13.29	146	579915	20.721	ug/l	97
88) 1,4-Dichlorobenzene	13.37	146	577415	20.938	ug/l	96
89) n-Butylbenzene	13.63	91	1118755	21.915	ug/l	97
90) Hexachloroethane	13.84	117	258210	21.040	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	496937	22.136	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.21	75	20742	18.863	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.77	180	373828	20.926	ug/l	97
94) Hexachlorobutadiene	14.87	225	281809	21.342	ug/l	98
95) Naphthalene	14.95	128	410846	19.351	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	288286	20.644	ug/l	100

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

