

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102918\
 Data File : VD060229.D
 Acq On : 29 Oct 2018 15:17
 Operator : VA/AP
 Sample : VD1029SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Manual Integrations
 APPROVED

apatel
 10/30/2018 12:38:00 PM

Quant Time: Oct 29 15:44:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.43	168	1547584	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	7.47	114	2088243	50.00	ug/l	0.05
63) Chlorobenzene-d5	11.31	117	1781899	50.00	ug/l	0.04
72) 1,4-Dichlorobenzene-d4	13.39	152	940192	50.00	ug/l	0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.81	65	621342	52.97	ug/l	0.05
Spiked Amount 50.000			Recovery	=	105.94%	
35) Dibromofluoromethane	6.35	113	847439	53.44	ug/l	0.05
Spiked Amount 50.000			Recovery	=	106.88%	
50) Toluene-d8	9.49	98	2272543	50.26	ug/l	0.05
Spiked Amount 50.000			Recovery	=	100.52%	
62) 4-Bromofluorobenzene	12.45	95	878614	51.89	ug/l	0.03
Spiked Amount 50.000			Recovery	=	103.78%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.60	85	298853	20.529	ug/l	100
3) Chloromethane	1.76	50	323302	24.629	ug/l	98
4) Vinyl Chloride	1.86	62	258339	24.048	ug/l	100
5) Bromomethane	2.15	94	21961	16.281	ug/l	89
6) Chloroethane	2.25	64	60429	20.613	ug/l	95
7) Trichlorofluoromethane	2.51	101	309052	24.026	ug/l	98
8) Diethyl Ether	2.84	74	68744	25.990	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.10	101	220535	27.521	ug/l	95
10) Methyl Iodide	3.26	142	190110	22.371	ug/l	96
11) Tert butyl alcohol	3.99	59	83295	99.005	ug/l	100
12) 1,1-Dichloroethene	3.08	96	172164	27.271	ug/l	86
13) Acrolein	2.99	56	41487	79.993	ug/l	98
14) Allyl chloride	3.54	41	331174	25.258	ug/l	98
15) Acrylonitrile	4.10	53	409079	117.472	ug/l	98
16) Acetone	3.17	43	344370	161.781	ug/l	99
17) Carbon Disulfide	3.33	76	509461	23.998	ug/l	98
18) Methyl Acetate	3.57	43	117384	25.657	ug/l	97
19) Methyl tert-butyl Ether	4.13	73	647285	23.320	ug/l	98
20) Methylene Chloride	3.73	84	394334	21.045	ug/l	98
21) trans-1,2-Dichloroethene	4.11	96	363342	22.285	ug/l	97
22) Diisopropyl ether	4.87	45	1345865	22.985	ug/l	93
23) Vinyl Acetate	4.82	43	3918418	119.050	ug/l	99
24) 1,1-Dichloroethane	4.77	63	610793	23.006	ug/l	99
25) 2-Butanone	5.64	43	686427	129.081	ug/l	97
26) 2,2-Dichloropropane	5.61	77	506306	25.156	ug/l	97
27) cis-1,2-Dichloroethene	5.61	96	391502	22.664	ug/l	90
28) Bromochloromethane	5.94	49	286820	22.231	ug/l	98
29) Tetrahydrofuran	5.97	42	359846	116.498	ug/l	99
30) Chloroform	6.12	83	644025	23.981	ug/l	98
31) Cyclohexane	6.39	56	560642	22.060	ug/l	95
32) 1,1,1-Trichloroethane	6.31	97	517312	23.512	ug/l	98
36) 1,1-Dichloropropene	6.55	75	479106	24.009	ug/l	97
37) Ethyl Acetate	5.72	43	308778	23.312	ug/l	98
38) Carbon Tetrachloride	6.53	117	436528	24.102	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.06	83	529349	23.347	ug/l	96
40) Benzene	6.82	78	1224958	23.464	ug/l	100
41) Methacrylonitrile	5.95	41	169201m	22.601	ug/l	
42) 1,2-Dichloroethane	6.92	62	356276	23.804	ug/l	98
43) Isopropyl Acetate	8.38	43	395307	22.685	ug/l	100
44) Trichloroethene	7.77	130	362984	22.461	ug/l	98
45) 1,2-Dichloropropane	8.13	63	321136	23.493	ug/l	99
46) Dibromomethane	8.24	93	207182	23.410	ug/l	92
47) Bromodichloromethane	8.51	83	462475	24.526	ug/l	97
48) Methyl methacrylate	8.27	41	235362	23.712	ug/l	98
49) 1,4-Dioxane	8.26	88	43800	448.479	ug/l	96
51) 4-Methyl-2-Pentanone	9.37	43	1362642	123.979	ug/l	97
52) Toluene	9.58	92	803118	23.887	ug/l	99
53) t-1,3-Dichloropropene	9.95	75	405794	23.783	ug/l	99
54) cis-1,3-Dichloropropene	9.13	75	506605	24.044	ug/l	98
55) 1,1,2-Trichloroethane	10.21	97	262340	23.867	ug/l	96
56) Ethyl methacrylate	10.06	69	280759	23.140	ug/l	95
57) 1,3-Dichloropropane	10.41	76	409308	24.417	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.95	63	823645	122.246	ug/l	94
59) 2-Hexanone	10.51	43	1064212	134.653	ug/l	97
60) Dibromochloromethane	10.67	129	321058	23.807	ug/l	100
61) 1,2-Dibromoethane	10.79	107	272041	23.294	ug/l	97
64) Tetrachloroethene	10.28	164	349612	22.401	ug/l	96
65) Chlorobenzene	11.34	112	867666	22.508	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.45	131	300827	23.392	ug/l	97
67) Ethyl Benzene	11.46	91	1503254	24.069	ug/l	99
68) m/p-Xylenes	11.59	106	1095991	46.966	ug/l	99
69) o-Xylene	11.96	106	522586	22.640	ug/l	93
70) Styrene	11.98	104	881082	22.825	ug/l	96
71) Bromoform	12.14	173	219187	21.049	ug/l #	96
73) Isopropylbenzene	12.30	105	1443887	23.279	ug/l	99
74) N-amyl acetate	12.16	43	509267	22.415	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	301865	22.292	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	300695	22.208	ug/l	98
77) Bromobenzene	12.57	156	399719	22.177	ug/l	89
78) n-propylbenzene	12.67	91	1783380	23.155	ug/l	97
79) 2-Chlorotoluene	12.73	91	974644	22.801	ug/l	94
80) 1,3,5-Trimethylbenzene	12.81	105	1153731	24.033	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.37	75	82888	21.787	ug/l	97
82) 4-Chlorotoluene	12.83	91	1153917	23.867	ug/l	96
83) tert-Butylbenzene	13.07	119	1292525	23.463	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	1184417	23.410	ug/l	97
85) sec-Butylbenzene	13.25	105	1500538	23.037	ug/l	99
86) p-Isopropyltoluene	13.36	119	1256870	23.526	ug/l	99
87) 1,3-Dichlorobenzene	13.34	146	716217	22.807	ug/l	98
88) 1,4-Dichlorobenzene	13.41	146	710666	22.530	ug/l	98
89) n-Butylbenzene	13.67	91	1300853	24.955	ug/l	99
90) Hexachloroethane	13.89	117	290056	23.459	ug/l	69
91) 1,2-Dichlorobenzene	13.69	146	617339	23.380	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.25	75	40250	22.262	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.81	180	474578	21.175	µg/l	98
94) Hexachlorobutadiene	14.90	225	314268	21.095	µg/l	100
95) Naphthalene	14.99	128	686217	20.656	µg/l	100
96) 1,2,3-Trichlorobenzene	15.14	180	395633	20.293	µg/l	99

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

