

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122818\
 Data File : VD060751.D
 Acq On : 28 Dec 2018 17:27
 Operator : VA/AP
 Sample : VD1228SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1228SBS01

Manual Integrations
 APPROVED

apatel
 1/2/2019 1:14:51 PM

Quant Time: Dec 29 03:21:45 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	6.41	168	1350252	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.46	114	2007418	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.29	117	1561591	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.38	152	750654	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.80	65	503274	53.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.88%	
35) Dibromofluoromethane	6.33	113	732046	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
50) Toluene-d8	9.46	98	2204845	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
62) 4-Bromofluorobenzene	12.44	95	773436	50.37	ug/l	0.02
Spiked Amount	50.000		Recovery	=	100.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.60	85	291931	16.921	ug/l	99
3) Chloromethane	1.77	50	284854	17.940	ug/l	97
4) Vinyl Chloride	1.87	62	230072	18.251	ug/l	99
5) Bromomethane	2.16	94	42345	14.996	ug/l	98
6) Chloroethane	2.27	64	73751	19.604	ug/l	98
7) Trichlorofluoromethane	2.53	101	260874	18.605	ug/l	98
8) Diethyl Ether	2.84	74	44830	19.110	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.11	101	170447	18.740	ug/l	97
10) Methyl Iodide	3.26	142	164207	17.179	ug/l	99
11) Tert butyl alcohol	3.98	59	38091	97.676	ug/l #	95
12) 1,1-Dichloroethene	3.09	96	134658	18.019	ug/l	97
13) Acrolein	3.00	56	40886	102.884	ug/l	97
14) Allyl chloride	3.55	41	253821	18.510	ug/l	97
15) Acrylonitrile	4.10	53	226382	99.991	ug/l	97
16) Acetone	3.18	43	146526	89.917	ug/l	100
17) Carbon Disulfide	3.33	76	411952	17.260	ug/l	100
18) Methyl Acetate	3.57	43	72121	17.858	ug/l #	91
19) Methyl tert-butyl Ether	4.14	73	386621	20.391	ug/l	99
20) Methylene Chloride	3.74	84	291430	17.221	ug/l	98
21) trans-1,2-Dichloroethene	4.12	96	298066	19.475	ug/l	97
22) Diisopropyl ether	4.87	45	899533	19.320	ug/l	99
23) Vinyl Acetate	4.82	43	2123940	94.290	ug/l	99
24) 1,1-Dichloroethane	4.77	63	461445	18.842	ug/l	99
25) 2-Butanone	5.64	43	292672	93.857	ug/l	98
26) 2,2-Dichloropropane	5.60	77	353894	18.307	ug/l	100
27) cis-1,2-Dichloroethene	5.61	96	305828	19.684	ug/l	97
28) Bromochloromethane	5.94	49	191266	18.487	ug/l	91
29) Tetrahydrofuran	5.97	42	164292	92.938	ug/l	98
30) Chloroform	6.12	83	443519	17.998	ug/l	99
31) Cyclohexane	6.38	56	446244	18.935	ug/l	98
32) 1,1,1-Trichloroethane	6.30	97	380150	18.646	ug/l	97
36) 1,1-Dichloropropene	6.53	75	354165	17.134	ug/l	100
37) Ethyl Acetate	5.70	43	150997	17.466	ug/l #	94
38) Carbon Tetrachloride	6.51	117	312174	17.118	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	409512	17.370	ug/l	93
40) Benzene	6.81	78	935971	17.529	ug/l	99
41) Methacrylonitrile	5.94	41	76590m	16.017	ug/l	
42) 1,2-Dichloroethane	6.91	62	230235	17.376	ug/l	99
43) Isopropyl Acetate	8.36	43	194956	17.573	ug/l #	98
44) Trichloroethene	7.75	130	296158	18.740	ug/l	99
45) 1,2-Dichloropropane	8.12	63	233580	17.838	ug/l	98
46) Dibromomethane	8.22	93	129978	17.392	ug/l	90
47) Bromodichloromethane	8.50	83	286612	16.192	ug/l	99
48) Methyl methacrylate	8.25	41	121497	18.031	ug/l	96
49) 1,4-Dioxane	8.24	88	23490	374.935	ug/l #	85
51) 4-Methyl-2-Pentanone	9.36	43	605350	89.061	ug/l	98
52) Toluene	9.56	92	588079	17.569	ug/l	99
53) t-1,3-Dichloropropene	9.93	75	244871	16.582	ug/l	99
54) cis-1,3-Dichloropropene	9.11	75	332554	17.205	ug/l	97
55) 1,1,2-Trichloroethane	10.19	97	169467	18.817	ug/l	94
56) Ethyl methacrylate	10.03	69	150603	18.004	ug/l	96
57) 1,3-Dichloropropane	10.39	76	238857	16.732	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.93	63	460938	93.517	ug/l	99
59) 2-Hexanone	10.50	43	423152	88.941	ug/l	100
60) Dibromochloromethane	10.64	129	194596	16.963	ug/l	98
61) 1,2-Dibromoethane	10.76	107	165039	17.667	ug/l	100
64) Tetrachloroethene	10.26	164	256226	18.103	ug/l	95
65) Chlorobenzene	11.32	112	667256	19.340	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.42	131	205929	18.564	ug/l	96
67) Ethyl Benzene	11.43	91	1095962	18.548	ug/l	99
68) m/p-Xylenes	11.57	106	849130	39.324	ug/l	99
69) o-Xylene	11.94	106	410081	20.017	ug/l	100
70) Styrene	11.96	104	647405	19.621	ug/l	99
71) Bromoform	12.12	173	121617	16.609	ug/l	94
73) Isopropylbenzene	12.28	105	1091625	20.425	ug/l	99
74) N-amyl acetate	12.14	43	259084	20.540	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.56	83	166804	19.255	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	159518	18.666	ug/l	98
77) Bromobenzene	12.54	156	279084	19.779	ug/l	97
78) n-propylbenzene	12.64	91	1388787	20.326	ug/l	98
79) 2-Chlorotoluene	12.71	91	751832	20.544	ug/l	99
80) 1,3,5-Trimethylbenzene	12.80	105	909628	22.041	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.35	75	42600	18.039	ug/l	91
82) 4-Chlorotoluene	12.81	91	834375	20.115	ug/l	100
83) tert-Butylbenzene	13.06	119	1002650	21.348	ug/l	97
84) 1,2,4-Trimethylbenzene	13.10	105	953929	22.443	ug/l	98
85) sec-Butylbenzene	13.22	105	1193183	20.831	ug/l	99
86) p-Isopropyltoluene	13.35	119	987630	21.360	ug/l	98
87) 1,3-Dichlorobenzene	13.31	146	528904	20.419	ug/l	95
88) 1,4-Dichlorobenzene	13.40	146	493343	19.328	ug/l	99
89) n-Butylbenzene	13.66	91	1003037	21.229	ug/l	99
90) Hexachloroethane	13.86	117	223444	19.672	ug/l	94
91) 1,2-Dichlorobenzene	13.67	146	438374	21.098	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	21339	20.967	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	322225	19.489	µg/l	96
94) Hexachlorobutadiene	14.89	225	238521	19.517	µg/l	99
95) Naphthalene	14.97	128	406809	20.702	µg/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	252620	19.545	µg/l	99

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

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