

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100418\
 Data File : VD060127.D
 Acq On : 4 Oct 2018 12:35
 Operator : VA/AP
 Sample : VD1004SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1004SBS01

Manual Integrations
 APPROVED

apatel
 10/5/2018 12:20:18 PM

Quant Time: Oct 04 15:44:02 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	6.40	168	1597144	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.44	114	2167356	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.29	117	1797359	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	941980	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.78	65	650904	53.76	ug/l	0.02
Spiked Amount	50.000		Recovery	=	107.52%	
35) Dibromofluoromethane	6.32	113	886193	53.84	ug/l	0.02
Spiked Amount	50.000		Recovery	=	107.68%	
50) Toluene-d8	9.45	98	2436454	51.91	ug/l	0.02
Spiked Amount	50.000		Recovery	=	103.82%	
62) 4-Bromofluorobenzene	12.43	95	941991	53.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.22%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.58	85	294315	19.590	ug/l 98
3) Chloromethane	1.75	50	306016	22.589	ug/l 96
4) Vinyl Chloride	1.85	62	239175	21.573	ug/l 99
5) Bromomethane	2.13	94	22257	15.988	ug/l 97
6) Chloroethane	2.24	64	55419	18.318	ug/l 97
7) Trichlorofluoromethane	2.50	101	276275	20.812	ug/l 99
8) Diethyl Ether	2.81	74	59045	21.630	ug/l 84
9) 1,1,2-Trichlorotrifluoroet	3.08	101	184432	22.301	ug/l 95
10) Methyl Iodide	3.24	142	167501	19.099	ug/l 99
11) Tert butyl alcohol	3.96	59	78053	89.895	ug/l 98
12) 1,1-Dichloroethene	3.06	96	144739	22.216	ug/l 96
13) Acrolein	2.98	56	51007	95.297	ug/l 96
14) Allyl chloride	3.52	41	296645	21.923	ug/l 98
15) Acrylonitrile	4.08	53	372254	103.580	ug/l 99
16) Acetone	3.15	43	256875	116.932	ug/l 97
17) Carbon Disulfide	3.30	76	489837	22.358	ug/l 97
18) Methyl Acetate	3.55	43	101920	21.586	ug/l 96
19) Methyl tert-butyl Ether	4.11	73	600949	20.979	ug/l 98
20) Methylene Chloride	3.71	84	386999	19.782	ug/l 99
21) trans-1,2-Dichloroethene	4.09	96	348397	20.705	ug/l 98
22) Diisopropyl ether	4.85	45	1291899	21.378	ug/l 96
23) Vinyl Acetate	4.80	43	3649348	107.434	ug/l 100
24) 1,1-Dichloroethane	4.75	63	560693	20.463	ug/l 100
25) 2-Butanone	5.62	43	592448	107.951	ug/l 96
26) 2,2-Dichloropropane	5.58	77	452360	21.778	ug/l 97
27) cis-1,2-Dichloroethene	5.59	96	368045	20.644	ug/l 96
28) Bromochloromethane	5.92	49	273794	20.563	ug/l 92
29) Tetrahydrofuran	5.95	42	315303	98.910	ug/l 99
30) Chloroform	6.10	83	593808	21.425	ug/l 97
31) Cyclohexane	6.36	56	541446	20.643	ug/l 98
32) 1,1,1-Trichloroethane	6.29	97	476919	21.003	ug/l 99
36) 1,1-Dichloropropene	6.52	75	438945	21.194	ug/l 99
37) Ethyl Acetate	5.70	43	294176	21.399	ug/l 99
38) Carbon Tetrachloride	6.49	117	401990	21.385	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	517289	21.982	ug/l	98
40) Benzene	6.79	78	1159057	21.391	ug/l	98
41) Methacrylonitrile	5.91	41	121432m	15.628	ug/l	
42) 1,2-Dichloroethane	6.89	62	323169	20.804	ug/l	97
43) Isopropyl Acetate	8.35	43	362980	20.070	ug/l #	99
44) Trichloroethene	7.74	130	344735	20.553	ug/l	97
45) 1,2-Dichloropropane	8.11	63	306506	21.604	ug/l	98
46) Dibromomethane	8.21	93	190045	20.690	ug/l	95
47) Bromodichloromethane	8.49	83	423157	21.621	ug/l	98
48) Methyl methacrylate	8.24	41	216591	21.024	ug/l	97
49) 1,4-Dioxane	8.23	88	37504	369.995	ug/l #	75
51) 4-Methyl-2-Pentanone	9.35	43	1179259	103.377	ug/l	98
52) Toluene	9.55	92	731243	20.955	ug/l	98
53) t-1,3-Dichloropropene	9.92	75	379091	21.407	ug/l	98
54) cis-1,3-Dichloropropene	9.10	75	469863	21.486	ug/l	98
55) 1,1,2-Trichloroethane	10.18	97	237875	20.852	ug/l	97
56) Ethyl methacrylate	10.04	69	258282	20.510	ug/l	97
57) 1,3-Dichloropropane	10.38	76	361189	20.760	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.92	63	757047	108.260	ug/l	97
59) 2-Hexanone	10.49	43	914584	111.497	ug/l	98
60) Dibromochloromethane	10.65	129	292160	20.873	ug/l	97
61) 1,2-Dibromoethane	10.76	107	250945	20.703	ug/l	96
64) Tetrachloroethene	10.25	164	319073	20.269	ug/l	99
65) Chlorobenzene	11.31	112	801525	20.614	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.42	131	272986	21.045	ug/l	99
67) Ethyl Benzene	11.43	91	1391780	22.092	ug/l	100
68) m/p-Xylenes	11.57	106	1002522	42.591	ug/l	98
69) o-Xylene	11.93	106	488923	20.999	ug/l	91
70) Styrene	11.95	104	816306	20.965	ug/l	97
71) Bromoform	12.12	173	207406	19.746	ug/l #	98
73) Isopropylbenzene	12.28	105	1337361	21.520	ug/l	100
74) N-amyl acetate	12.13	43	460563	20.233	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	279773	20.622	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	273580	20.167	ug/l	99
77) Bromobenzene	12.54	156	376307	20.838	ug/l	88
78) n-propylbenzene	12.64	91	1709764	22.157	ug/l	97
79) 2-Chlorotoluene	12.70	91	929458	21.703	ug/l	95
80) 1,3,5-Trimethylbenzene	12.79	105	1042359	21.672	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.35	75	75849	19.899	ug/l	94
82) 4-Chlorotoluene	12.81	91	1083295	22.364	ug/l	97
83) tert-Butylbenzene	13.05	119	1180574	21.390	ug/l	97
84) 1,2,4-Trimethylbenzene	13.10	105	1085778	21.420	ug/l	98
85) sec-Butylbenzene	13.22	105	1367828	20.960	ug/l	100
86) p-Isopropyltoluene	13.34	119	1177167	21.993	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	660655	20.998	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	656053	20.759	ug/l	98
89) n-Butylbenzene	13.65	91	1182210	22.636	ug/l	99
90) Hexachloroethane	13.86	117	265545	21.436	ug/l	69
91) 1,2-Dichlorobenzene	13.67	146	581295	21.973	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.23	75	34180	18.869	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	456161	20.315	ug/l	100
94) Hexachlorobutadiene	14.88	225	302102	20.240	ug/l	98
95) Naphthalene	14.97	128	644436	19.361	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	388915	19.910	ug/l	98

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

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