

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103118\
 Data File : VD060243.D
 Acq On : 31 Oct 2018 15:55
 Operator : VA/AP
 Sample : VD1031SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1031SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/1/2018 11:59:28 AM

Quant Time: Nov 01 00:18:40 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	1442872	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.45	114	1998657	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.29	117	1648065	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	894427	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	588520	53.81	ug/l	0.03
Spiked Amount	50.000		Recovery	=	107.62%	
35) Dibromofluoromethane	6.33	113	833482	54.92	ug/l	0.03
Spiked Amount	50.000		Recovery	=	109.84%	
50) Toluene-d8	9.46	98	2301905	53.19	ug/l	0.02
Spiked Amount	50.000		Recovery	=	106.38%	
62) 4-Bromofluorobenzene	12.43	95	863541	53.29	ug/l	0.01
Spiked Amount	50.000		Recovery	=	106.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	265380	19.553	ug/l	99
3) Chloromethane	1.76	50	273562	22.352	ug/l	100
4) Vinyl Chloride	1.85	62	215668	21.533	ug/l	98
5) Bromomethane	2.13	94	21023	16.716	ug/l	97
6) Chloroethane	2.24	64	49025	17.937	ug/l	93
7) Trichlorofluoromethane	2.50	101	252597	21.062	ug/l	100
8) Diethyl Ether	2.82	74	58864	23.870	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.08	101	175522	23.493	ug/l	99
10) Methyl Iodide	3.25	142	151263	19.091	ug/l	96
11) Tert butyl alcohol	3.98	59	88697	113.076	ug/l	96
12) 1,1-Dichloroethene	3.07	96	136520	23.195	ug/l	96
13) Acrolein	2.98	56	33768	69.835	ug/l	95
14) Allyl chloride	3.53	41	276162	22.591	ug/l	99
15) Acrylonitrile	4.08	53	374913	115.474	ug/l	98
16) Acetone	3.16	43	277243	139.698	ug/l	98
17) Carbon Disulfide	3.30	76	411720	20.801	ug/l	100
18) Methyl Acetate	3.56	43	95001	22.272	ug/l	94
19) Methyl tert-butyl Ether	4.12	73	596121	23.035	ug/l	97
20) Methylene Chloride	3.72	84	426820	25.189	ug/l	98
21) trans-1,2-Dichloroethene	4.09	96	333420	21.934	ug/l	98
22) Diisopropyl ether	4.86	45	1282592	23.494	ug/l	99
23) Vinyl Acetate	4.80	43	3666128	119.468	ug/l	100
24) 1,1-Dichloroethane	4.75	63	572605	23.133	ug/l	100
25) 2-Butanone	5.63	43	648433	130.785	ug/l	97
26) 2,2-Dichloropropane	5.59	77	451284	24.049	ug/l	98
27) cis-1,2-Dichloroethene	5.59	96	373813	23.210	ug/l	92
28) Bromochloromethane	5.92	49	266470	22.153	ug/l	97
29) Tetrahydrofuran	5.95	42	344817	119.734	ug/l	99
30) Chloroform	6.10	83	582049	23.246	ug/l	96
31) Cyclohexane	6.37	56	527238	22.251	ug/l	100
32) 1,1,1-Trichloroethane	6.30	97	478639	23.333	ug/l	98
36) 1,1-Dichloropropene	6.52	75	432006	22.619	ug/l	96
37) Ethyl Acetate	5.70	43	296152	23.361	ug/l	99
38) Carbon Tetrachloride	6.50	117	401104	23.139	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	479287	22.087	ug/l	98
40) Benzene	6.80	78	1120163	22.419	ug/l	100
41) Methacrylonitrile	5.92	41	140898m	19.664	ug/l	
42) 1,2-Dichloroethane	6.90	62	327988	22.896	ug/l	99
43) Isopropyl Acetate	8.35	43	371557	22.278	ug/l #	99
44) Trichloroethene	7.74	130	342029	22.113	ug/l	97
45) 1,2-Dichloropropane	8.11	63	297533	22.742	ug/l	99
46) Dibromomethane	8.22	93	189364	22.356	ug/l	90
47) Bromodichloromethane	8.49	83	416978	23.104	ug/l	98
48) Methyl methacrylate	8.24	41	217106	22.853	ug/l	98
49) 1,4-Dioxane	8.23	88	43219	462.365	ug/l #	87
51) 4-Methyl-2-Pentanone	9.35	43	1260026	119.781	ug/l	99
52) Toluene	9.55	92	712487	22.141	ug/l	98
53) t-1,3-Dichloropropene	9.92	75	378184	23.158	ug/l	98
54) cis-1,3-Dichloropropene	9.10	75	465916	23.104	ug/l	97
55) 1,1,2-Trichloroethane	10.18	97	246137	23.397	ug/l	99
56) Ethyl methacrylate	10.04	69	268637	23.133	ug/l	98
57) 1,3-Dichloropropane	10.39	76	371193	23.135	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.92	63	785321	121.782	ug/l	96
59) 2-Hexanone	10.49	43	949213	125.486	ug/l	100
60) Dibromochloromethane	10.65	129	290385	22.498	ug/l	96
61) 1,2-Dibromoethane	10.76	107	252619	22.600	ug/l	95
64) Tetrachloroethene	10.25	164	314551	21.791	ug/l	99
65) Chlorobenzene	11.32	112	821529	23.042	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	274718	23.097	ug/l	98
67) Ethyl Benzene	11.43	91	1394233	24.136	ug/l	99
68) m/p-Xylenes	11.57	106	1014138	46.987	ug/l	100
69) o-Xylene	11.93	106	486319	22.780	ug/l	91
70) Styrene	11.95	104	814661	22.819	ug/l	97
71) Bromoform	12.12	173	216783	22.508	ug/l	97
73) Isopropylbenzene	12.28	105	1349107	22.863	ug/l	99
74) N-amyl acetate	12.13	43	490371	22.688	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.56	83	287926	22.351	ug/l	97
76) 1,2,3-Trichloropropane	12.59	75	293163	22.760	ug/l	98
77) Bromobenzene	12.55	156	374712	21.853	ug/l	86
78) n-propylbenzene	12.64	91	1738836	23.732	ug/l	96
79) 2-Chlorotoluene	12.71	91	936380	23.027	ug/l	96
80) 1,3,5-Trimethylbenzene	12.79	105	1078537	23.616	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.35	75	78108	21.581	ug/l	95
82) 4-Chlorotoluene	12.81	91	1077307	23.422	ug/l	96
83) tert-Butylbenzene	13.05	119	1228198	23.436	ug/l	98
84) 1,2,4-Trimethylbenzene	13.10	105	1118657	23.241	ug/l	98
85) sec-Butylbenzene	13.22	105	1471477	23.747	ug/l	99
86) p-Isopropyltoluene	13.34	119	1176439	23.147	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	671467	22.476	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	681439	22.709	ug/l	99
89) n-Butylbenzene	13.65	91	1172129	23.636	ug/l	99
90) Hexachloroethane	13.86	117	273875	23.284	ug/l	70
91) 1,2-Dichlorobenzene	13.67	146	574188	22.858	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.23	75	38861	22.593	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	468091	21.954	ug/l	98
94) Hexachlorobutadiene	14.88	225	315184	22.239	ug/l	99
95) Naphthalene	14.97	128	699900	22.146	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	407888	21.992	ug/l	99

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

