

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102418\
 Data File : VD060178.D
 Acq On : 24 Oct 2018 13:29
 Operator : JC/SY
 Sample : VD1024SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1024SBS01

Manual Integrations
 APPROVED

apatel
 10/25/2018 4:49:49 PM

Quant Time: Oct 25 03:54:25 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	1558399	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.44	114	2241741	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.28	117	1910521	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	1114815	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.78	65	605371	51.25	ug/l	0.02
Spiked Amount	50.000		Recovery	=	102.50%	
35) Dibromofluoromethane	6.32	113	857599	50.38	ug/l	0.02
Spiked Amount	50.000		Recovery	=	100.76%	
50) Toluene-d8	9.45	98	2460416	50.69	ug/l	0.02
Spiked Amount	50.000		Recovery	=	101.38%	
62) 4-Bromofluorobenzene	12.43	95	1073497	59.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	281594	19.209	ug/l	98
3) Chloromethane	1.75	50	314033	23.757	ug/l	99
4) Vinyl Chloride	1.85	62	239547	22.144	ug/l	99
5) Bromomethane	2.13	94	21323	15.698	ug/l	86
6) Chloroethane	2.23	64	50472	17.097	ug/l	97
7) Trichlorofluoromethane	2.50	101	256989	19.840	ug/l	98
8) Diethyl Ether	2.82	74	59470	22.328	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.08	101	180705	22.394	ug/l	98
10) Methyl Iodide	3.23	142	182646	21.343	ug/l	98
11) Tert butyl alcohol	3.96	59	94517	111.563	ug/l	99
12) 1,1-Dichloroethene	3.06	96	143273	22.537	ug/l	93
13) Acrolein	2.97	56	41941	80.307	ug/l	100
14) Allyl chloride	3.52	41	293533	22.232	ug/l	95
15) Acrylonitrile	4.07	53	382055	108.951	ug/l	96
16) Acetone	3.15	43	283909	132.452	ug/l	99
17) Carbon Disulfide	3.30	76	447967	20.955	ug/l	99
18) Methyl Acetate	3.55	43	101227	21.972	ug/l	98
19) Methyl tert-butyl Ether	4.12	73	607326	21.729	ug/l	99
20) Methylene Chloride	3.71	84	481254	26.503	ug/l	98
21) trans-1,2-Dichloroethene	4.09	96	339238	20.662	ug/l	97
22) Diisopropyl ether	4.85	45	1195648	20.277	ug/l	94
23) Vinyl Acetate	4.80	43	3586549	108.211	ug/l	99
24) 1,1-Dichloroethane	4.75	63	571390	21.372	ug/l	100
25) 2-Butanone	5.62	43	615543	114.948	ug/l	98
26) 2,2-Dichloropropane	5.58	77	451173	22.261	ug/l	100
27) cis-1,2-Dichloroethene	5.59	96	367617	21.133	ug/l	96
28) Bromochloromethane	5.92	49	265452	20.432	ug/l	95
29) Tetrahydrofuran	5.95	42	327351	105.243	ug/l	100
30) Chloroform	6.10	83	586696	21.694	ug/l	96
31) Cyclohexane	6.36	56	529860	20.704	ug/l	98
32) 1,1,1-Trichloroethane	6.29	97	491902	22.201	ug/l	97
36) 1,1-Dichloropropene	6.51	75	431234	20.131	ug/l	98
37) Ethyl Acetate	5.69	43	311135	21.882	ug/l	96
38) Carbon Tetrachloride	6.49	117	407656	20.967	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	506286	20.801	ug/l	99
40) Benzene	6.79	78	1115399	19.903	ug/l	99
41) Methacrylonitrile	5.91	41	92703m	11.535	ug/l	
42) 1,2-Dichloroethane	6.89	62	328594	20.451	ug/l	99
43) Isopropyl Acetate	8.34	43	394153	21.070	ug/l	100
44) Trichloroethene	7.73	130	349213	20.129	ug/l	99
45) 1,2-Dichloropropane	8.10	63	301139	20.521	ug/l	95
46) Dibromomethane	8.21	93	195644	20.593	ug/l	97
47) Bromodichloromethane	8.49	83	434764	21.477	ug/l	100
48) Methyl methacrylate	8.24	41	219878	20.635	ug/l	98
49) 1,4-Dioxane	8.22	88	47203	450.229	ug/l	90
51) 4-Methyl-2-Pentanone	9.34	43	1255443	106.404	ug/l	98
52) Toluene	9.54	92	763928	21.165	ug/l	99
53) t-1,3-Dichloropropene	9.92	75	389176	21.247	ug/l	98
54) cis-1,3-Dichloropropene	9.10	75	472058	20.871	ug/l	98
55) 1,1,2-Trichloroethane	10.18	97	247702	20.993	ug/l	98
56) Ethyl methacrylate	10.03	69	270538	20.771	ug/l	97
57) 1,3-Dichloropropane	10.38	76	380690	21.154	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.92	63	773807	106.985	ug/l	99
59) 2-Hexanone	10.49	43	1021328	120.379	ug/l	100
60) Dibromochloromethane	10.64	129	320070	22.109	ug/l	97
61) 1,2-Dibromoethane	10.75	107	269949	21.532	ug/l	100
64) Tetrachloroethene	10.25	164	327770	19.588	ug/l	98
65) Chlorobenzene	11.31	112	883688	21.380	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.42	131	307659	22.313	ug/l	98
67) Ethyl Benzene	11.42	91	1516870	22.652	ug/l	98
68) m/p-Xylenes	11.56	106	1146432	45.820	ug/l	98
69) o-Xylene	11.93	106	555770	22.457	ug/l	96
70) Styrene	11.95	104	942160	22.765	ug/l	98
71) Bromoform	12.11	173	251226	22.501	ug/l	98
73) Isopropylbenzene	12.28	105	1587148	21.580	ug/l	100
74) N-amyl acetate	12.13	43	571239	21.205	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	339494	21.144	ug/l	97
76) 1,2,3-Trichloropropane	12.59	75	347919	21.671	ug/l	98
77) Bromobenzene	12.54	156	430467	20.142	ug/l	82
78) n-propylbenzene	12.63	91	2075819	22.731	ug/l	99
79) 2-Chlorotoluene	12.70	91	1152953	22.747	ug/l	98
80) 1,3,5-Trimethylbenzene	12.79	105	1274617	22.392	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	98555	21.847	ug/l	95
82) 4-Chlorotoluene	12.81	91	1280351	22.334	ug/l	98
83) tert-Butylbenzene	13.05	119	1447323	22.157	ug/l	100
84) 1,2,4-Trimethylbenzene	13.10	105	1318354	21.976	ug/l	99
85) sec-Butylbenzene	13.22	105	1748091	22.634	ug/l	99
86) p-Isopropyltoluene	13.34	119	1376981	21.737	ug/l	100
87) 1,3-Dichlorobenzene	13.31	146	806877	21.669	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	778082	20.804	ug/l	98
89) n-Butylbenzene	13.65	91	1391007	22.504	ug/l	100
90) Hexachloroethane	13.85	117	317775	21.675	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	662379	21.156	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.23	75	40062	18.687	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	517541	19.475	µg/l	98
94) Hexachlorobutadiene	14.88	225	351141	19.878	µg/l	97
95) Naphthalene	14.97	128	747127	18.967	µg/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	424428	18.360	µg/l	99

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

