

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092418\
 Data File : VD060078.D
 Acq On : 24 Sep 2018 13:23
 Operator : VA/AP
 Sample : VD0924SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0924SBS01

Manual Integrations
 APPROVED

apatel
 9/25/2018 3:31:01 PM

Quant Time: Sep 24 15:31:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.37	168	1615490	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	2283949	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.26	117	1833460	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	977245	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	663108	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	
35) Dibromofluoromethane	6.30	113	910245	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
50) Toluene-d8	9.43	98	2560827	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	
62) 4-Bromofluorobenzene	12.41	95	975771	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	299073	17.538	ug/l	98
3) Chloromethane	1.75	50	326936	21.704	ug/l	97
4) Vinyl Chloride	1.84	62	261326	21.581	ug/l	98
5) Bromomethane	2.12	94	25343	17.681	ug/l	97
6) Chloroethane	2.22	64	52819	19.511	ug/l	91
7) Trichlorofluoromethane	2.48	101	259168	19.440	ug/l	98
8) Diethyl Ether	2.80	74	63654	22.461	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.06	101	192747	22.928	ug/l	99
10) Methyl Iodide	3.22	142	166250	18.672	ug/l	95
11) Tert butyl alcohol	3.94	59	90656	89.180	ug/l	96
12) 1,1-Dichloroethene	3.05	96	153546	23.100	ug/l	92
13) Acrolein	2.96	56	55274	87.805	ug/l	97
14) Allyl chloride	3.50	41	315305	22.493	ug/l	96
15) Acrylonitrile	4.05	53	404360	105.380	ug/l	98
16) Acetone	3.14	43	303289	124.691	ug/l	97
17) Carbon Disulfide	3.28	76	484138	21.139	ug/l	99
18) Methyl Acetate	3.53	43	108227	21.879	ug/l	98
19) Methyl tert-butyl Ether	4.09	73	654879	21.323	ug/l	99
20) Methylene Chloride	3.69	84	402922	18.780	ug/l	96
21) trans-1,2-Dichloroethene	4.06	96	363524	20.840	ug/l	96
22) Diisopropyl ether	4.82	45	1389474	21.730	ug/l	95
23) Vinyl Acetate	4.77	43	3973294	109.682	ug/l	100
24) 1,1-Dichloroethane	4.72	63	607098	21.157	ug/l	99
25) 2-Butanone	5.59	43	784586	119.537	ug/l	99
26) 2,2-Dichloropropane	5.56	77	478432	21.446	ug/l	99
27) cis-1,2-Dichloroethene	5.56	96	387556	21.241	ug/l	95
28) Bromochloromethane	5.89	49	302460	21.928	ug/l	97
29) Tetrahydrofuran	5.92	42	374001	106.251	ug/l	99
30) Chloroform	6.07	83	622120	21.379	ug/l	98
31) Cyclohexane	6.33	56	540131	19.305	ug/l	99
32) 1,1,1-Trichloroethane	6.26	97	501914	20.796	ug/l	98
36) 1,1-Dichloropropene	6.49	75	452744	19.956	ug/l	96
37) Ethyl Acetate	5.67	43	320715	20.557	ug/l	99
38) Carbon Tetrachloride	6.46	117	410536	19.384	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.01	83	515628	20.091	ug/l	98
40) Benzene	6.76	78	1200846	20.767	ug/l	100
41) Methacrylonitrile	5.90	41	170612m	20.879	ug/l	
42) 1,2-Dichloroethane	6.87	62	360537	20.765	ug/l	99
43) Isopropyl Acetate	8.32	43	428052	20.492	ug/l #	100
44) Trichloroethene	7.71	130	364744	20.416	ug/l	97
45) 1,2-Dichloropropane	8.08	63	329219	21.292	ug/l	99
46) Dibromomethane	8.18	93	208015	20.619	ug/l	97
47) Bromodichloromethane	8.46	83	447028	20.552	ug/l	99
48) Methyl methacrylate	8.21	41	232766	20.007	ug/l	97
49) 1,4-Dioxane	8.20	88	45619	394.788	ug/l	98
51) 4-Methyl-2-Pentanone	9.32	43	1671238	109.635	ug/l	100
52) Toluene	9.52	92	791730	21.361	ug/l	98
53) t-1,3-Dichloropropene	9.90	75	416412	20.527	ug/l	99
54) cis-1,3-Dichloropropene	9.08	75	506868	20.912	ug/l	98
55) 1,1,2-Trichloroethane	10.16	97	260492	20.242	ug/l	95
56) Ethyl methacrylate	10.01	69	289463	20.279	ug/l	97
57) 1,3-Dichloropropane	10.36	76	398573	20.982	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.89	63	747519	108.449	ug/l	98
59) 2-Hexanone	10.47	43	1229757	112.397	ug/l	100
60) Dibromochloromethane	10.62	129	322422	20.584	ug/l	99
61) 1,2-Dibromoethane	10.73	107	264180	19.883	ug/l	99
64) Tetrachloroethene	10.23	164	336299	20.789	ug/l	98
65) Chlorobenzene	11.29	112	863615	21.909	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.40	131	302004	22.715	ug/l	99
67) Ethyl Benzene	11.41	91	1488908	23.471	ug/l	99
68) m/p-Xylenes	11.55	106	1051681	44.890	ug/l	94
69) o-Xylene	11.91	106	510550	21.993	ug/l	97
70) Styrene	11.94	104	875821	22.439	ug/l	99
71) Bromoform	12.10	173	228785	20.029	ug/l	99
73) Isopropylbenzene	12.26	105	1454760	22.698	ug/l	99
74) N-amyl acetate	12.12	43	523414	20.617	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.54	83	314955	21.662	ug/l	100
76) 1,2,3-Trichloropropane	12.58	75	310131	20.779	ug/l	98
77) Bromobenzene	12.52	156	408908	22.148	ug/l	96
78) n-propylbenzene	12.62	91	1839768	22.827	ug/l	98
79) 2-Chlorotoluene	12.69	91	999177	21.964	ug/l	99
80) 1,3,5-Trimethylbenzene	12.78	105	1053157	21.438	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.33	75	88699	19.687	ug/l	94
82) 4-Chlorotoluene	12.80	91	1085116	21.696	ug/l	91
83) tert-Butylbenzene	13.04	119	1273933	22.385	ug/l	100
84) 1,2,4-Trimethylbenzene	13.08	105	1169679	22.312	ug/l	98
85) sec-Butylbenzene	13.20	105	1529133	22.635	ug/l	98
86) p-Isopropyltoluene	13.33	119	1224514	22.411	ug/l	98
87) 1,3-Dichlorobenzene	13.30	146	716484	22.317	ug/l	95
88) 1,4-Dichlorobenzene	13.38	146	713432	21.909	ug/l	99
89) n-Butylbenzene	13.64	91	1254519	21.372	ug/l	98
90) Hexachloroethane	13.84	117	280002	20.690	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	619623	20.927	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.22	75	42375	19.118	ug/l	64

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	498628	21.794	ug/l	99
94) Hexachlorobutadiene	14.87	225	325542	21.510	ug/l	100
95) Naphthalene	14.96	128	738798	20.909	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	417249	20.695	ug/l	99

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

