

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110118\
 Data File : VD060262.D
 Acq On : 1 Nov 2018 15:10
 Operator : VA/AP
 Sample : VD1101SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBSD01

Manual Integrations
 APPROVED

apatel
 11/5/2018 1:21:16 PM

Quant Time: Nov 01 17:00:17 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	6.41	168	1404857	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.45	114	1940638	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.29	117	1556453	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	893945	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	567687	53.31	ug/l	0.03
Spiked Amount	50.000		Recovery	=	106.62%	
35) Dibromofluoromethane	6.33	113	759268	51.52	ug/l	0.03
Spiked Amount	50.000		Recovery	=	103.04%	
50) Toluene-d8	9.47	98	2050238	48.79	ug/l	0.03
Spiked Amount	50.000		Recovery	=	97.58%	
62) 4-Bromofluorobenzene	12.43	95	796956	50.65	ug/l	0.01
Spiked Amount	50.000		Recovery	=	101.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	249902	18.910	ug/l	96
3) Chloromethane	1.75	50	251766	21.128	ug/l	98
4) Vinyl Chloride	1.85	62	220204	22.580	ug/l	95
5) Bromomethane	2.13	94	20927	17.090	ug/l	94
6) Chloroethane	2.23	64	48214	18.117	ug/l	99
7) Trichlorofluoromethane	2.49	101	234209	20.058	ug/l	98
8) Diethyl Ether	2.82	74	57896	24.112	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.08	101	174747	24.022	ug/l	93
10) Methyl Iodide	3.24	142	145345	18.841	ug/l	95
11) Tert butyl alcohol	3.97	59	82902	108.548	ug/l	97
12) 1,1-Dichloroethene	3.06	96	138006	24.082	ug/l	96
13) Acrolein	2.98	56	32258	68.517	ug/l	100
14) Allyl chloride	3.53	41	274928	23.099	ug/l	99
15) Acrylonitrile	4.08	53	372777	117.923	ug/l	96
16) Acetone	3.16	43	281563	145.714	ug/l	100
17) Carbon Disulfide	3.31	76	408138	21.178	ug/l	100
18) Methyl Acetate	3.55	43	96331	23.195	ug/l	100
19) Methyl tert-butyl Ether	4.12	73	577748	22.929	ug/l	99
20) Methylene Chloride	3.71	84	350133	20.481	ug/l	98
21) trans-1,2-Dichloroethene	4.09	96	320967	21.686	ug/l	97
22) Diisopropyl ether	4.86	45	1231422	23.167	ug/l	98
23) Vinyl Acetate	4.80	43	3606691	120.712	ug/l	99
24) 1,1-Dichloroethane	4.75	63	564655	23.429	ug/l	99
25) 2-Butanone	5.63	43	656824	136.062	ug/l	98
26) 2,2-Dichloropropane	5.59	77	436501	23.891	ug/l	98
27) cis-1,2-Dichloroethene	5.59	96	351356	22.406	ug/l	91
28) Bromochloromethane	5.92	49	256668	21.915	ug/l	98
29) Tetrahydrofuran	5.95	42	335464	119.638	ug/l	99
30) Chloroform	6.10	83	562345	23.067	ug/l	98
31) Cyclohexane	6.37	56	504076	21.849	ug/l	98
32) 1,1,1-Trichloroethane	6.30	97	459903	23.026	ug/l	98
36) 1,1-Dichloropropene	6.52	75	427572	23.057	ug/l	98
37) Ethyl Acetate	5.70	43	297785	24.192	ug/l	97
38) Carbon Tetrachloride	6.50	117	379976	22.576	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	469707	22.292	ug/l	98
40) Benzene	6.80	78	1116851	23.021	ug/l	100
41) Methacrylonitrile	5.93	41	137239m	19.726	ug/l	
42) 1,2-Dichloroethane	6.90	62	314281	22.595	ug/l	98
43) Isopropyl Acetate	8.35	43	373531	23.066	ug/l #	99
44) Trichloroethene	7.74	130	331822	22.095	ug/l	98
45) 1,2-Dichloropropane	8.11	63	288317	22.696	ug/l	96
46) Dibromomethane	8.23	93	188196	22.883	ug/l	99
47) Bromodichloromethane	8.49	83	405575	23.144	ug/l	98
48) Methyl methacrylate	8.26	41	205789	22.309	ug/l	99
49) 1,4-Dioxane	8.24	88	42295	466.008	ug/l	95
51) 4-Methyl-2-Pentanone	9.35	43	1225284	119.961	ug/l	99
52) Toluene	9.55	92	702471	22.482	ug/l	99
53) t-1,3-Dichloropropene	9.93	75	364809	23.007	ug/l	99
54) cis-1,3-Dichloropropene	9.11	75	446746	22.816	ug/l	99
55) 1,1,2-Trichloroethane	10.18	97	228788	22.398	ug/l	96
56) Ethyl methacrylate	10.04	69	262777	23.305	ug/l	96
57) 1,3-Dichloropropane	10.39	76	365810	23.482	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.92	63	753783	120.386	ug/l	94
59) 2-Hexanone	10.50	43	989617	134.739	ug/l	100
60) Dibromochloromethane	10.65	129	292915	23.372	ug/l	98
61) 1,2-Dibromoethane	10.76	107	242240	22.320	ug/l	97
64) Tetrachloroethene	10.26	164	313075	22.966	ug/l	96
65) Chlorobenzene	11.32	112	764604	22.708	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.42	131	267284	23.795	ug/l	97
67) Ethyl Benzene	11.43	91	1310541	24.023	ug/l	99
68) m/p-Xylenes	11.57	106	998151	48.968	ug/l	99
69) o-Xylene	11.94	106	478475	23.732	ug/l	90
70) Styrene	11.97	104	796811	23.632	ug/l	98
71) Bromoform	12.12	173	209577	23.041	ug/l	98
73) Isopropylbenzene	12.28	105	1303642	22.105	ug/l	99
74) N-amyl acetate	12.14	43	482027	22.314	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.57	83	289695	22.500	ug/l	96
76) 1,2,3-Trichloropropane	12.61	75	279348	21.699	ug/l	98
77) Bromobenzene	12.55	156	370408	21.614	ug/l	93
78) n-propylbenzene	12.64	91	1655781	22.611	ug/l	98
79) 2-Chlorotoluene	12.71	91	886629	21.815	ug/l	98
80) 1,3,5-Trimethylbenzene	12.80	105	1060585	23.236	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.35	75	74742	20.662	ug/l	94
82) 4-Chlorotoluene	12.81	91	1074800	23.380	ug/l	93
83) tert-Butylbenzene	13.05	119	1178296	22.496	ug/l	95
84) 1,2,4-Trimethylbenzene	13.10	105	1063917	22.116	ug/l	98
85) sec-Butylbenzene	13.23	105	1384097	22.349	ug/l	99
86) p-Isopropyltoluene	13.34	119	1142965	22.501	ug/l	97
87) 1,3-Dichlorobenzene	13.31	146	661823	22.165	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	663472	22.122	ug/l	99
89) n-Butylbenzene	13.65	91	1151901	23.240	ug/l	98
90) Hexachloroethane	13.86	117	258439	21.984	ug/l	79
91) 1,2-Dichlorobenzene	13.67	146	573320	22.836	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.23	75	36916	21.474	ug/l	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	459098	21.544	ug/l	98
94) Hexachlorobutadiene	14.89	225	299389	21.136	ug/l	98
95) Naphthalene	14.98	128	680822	21.554	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	395113	21.314	ug/l	97

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

