

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082218\
 Data File : VD059879.D
 Acq On : 22 Aug 2018 16:51
 Operator : JC/SY
 Sample : VSTDICV050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICSV082218

Manual Integrations
 APPROVED

apatel
 8/23/2018 10:53:19 AM

Quant Time: Aug 23 03:05:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1212028	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	1651743	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1384489	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	731479	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	481884	47.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.34%	
35) Dibromofluoromethane	6.32	113	633589	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
50) Toluene-d8	9.46	98	1815044	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
62) 4-Bromofluorobenzene	12.43	95	718963	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	518740	47.88	ug/l	100
3) Chloromethane	1.75	50	466687	47.55	ug/l	99
4) Vinyl Chloride	1.84	62	373653	48.55	ug/l	99
5) Bromomethane	2.13	94	60568	45.58	ug/l	92
6) Chloroethane	2.24	64	118563	47.01	ug/l	97
7) Trichlorofluoromethane	2.50	101	431874	48.51	ug/l	100
8) Diethyl Ether	2.82	74	99182	49.66	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.08	101	264231	48.46	ug/l	96
10) Methyl Iodide	3.23	142	265586	46.02	ug/l	99
11) Tert butyl alcohol	3.97	59	206002	264.28	ug/l	98
12) 1,1-Dichloroethene	3.07	96	202686	47.75	ug/l	94
13) Acrolein	2.98	56	89108	263.58	ug/l	98
14) Allyl chloride	3.53	41	481548	50.15	ug/l	95
15) Acrylonitrile	4.08	53	721680	247.24	ug/l	100
16) Acetone	3.15	43	526911	283.11	ug/l	100
17) Carbon Disulfide	3.30	76	652047	49.49	ug/l	100
18) Methyl Acetate	3.55	43	190216	48.96	ug/l	96
19) Methyl tert-butyl Ether	4.12	73	1193418	49.70	ug/l	99
20) Methylene Chloride	3.71	84	623905	50.24	ug/l	97
21) trans-1,2-Dichloroethene	4.09	96	566188	48.41	ug/l	96
22) Diisopropyl ether	4.86	45	2396356	48.93	ug/l	98
23) Vinyl Acetate	4.81	43	6919663	252.76	ug/l	100
24) 1,1-Dichloroethane	4.75	63	1041589	49.23	ug/l	99
25) 2-Butanone	5.62	43	1494328	271.10	ug/l	99
26) 2,2-Dichloropropane	5.59	77	852630	48.21	ug/l	97
27) cis-1,2-Dichloroethene	5.60	96	634219	49.53	ug/l	100
28) Bromochloromethane	5.93	49	481811	47.52	ug/l	96
29) Tetrahydrofuran	5.96	42	668409	254.71	ug/l	100
30) Chloroform	6.11	83	1069618	49.75	ug/l	99
31) Cyclohexane	6.37	56	905288	46.54	ug/l	100
32) 1,1,1-Trichloroethane	6.29	97	885422	48.52	ug/l	99
36) 1,1-Dichloropropene	6.53	75	755505	50.46	ug/l	98
37) Ethyl Acetate	5.70	43	575998	49.44	ug/l	99
38) Carbon Tetrachloride	6.50	117	749451	49.60	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	831596	51.41	ug/l	98
40) Benzene	6.80	78	1927471	49.51	ug/l	99
41) Methacrylonitrile	5.94	41	327447m	55.79	ug/l	
42) 1,2-Dichloroethane	6.90	62	631404	50.52	ug/l	98
43) Isopropyl Acetate	8.36	43	791164	52.19	ug/l	98
44) Trichloroethene	7.74	130	577292	50.36	ug/l	93
45) 1,2-Dichloropropane	8.10	63	540033	49.62	ug/l	98
46) Dibromomethane	8.22	93	354906	50.72	ug/l	95
47) Bromodichloromethane	8.50	83	789474	49.84	ug/l	98
48) Methyl methacrylate	8.25	41	452022	51.16	ug/l	99
49) 1,4-Dioxane	8.23	88	82674	1047.99	ug/l #	88
51) 4-Methyl-2-Pentanone	9.35	43	3167148	280.26	ug/l	99
52) Toluene	9.56	92	1269545	50.85	ug/l	100
53) t-1,3-Dichloropropene	9.93	75	748602	51.09	ug/l	98
54) cis-1,3-Dichloropropene	9.11	75	881523	51.89	ug/l	99
55) 1,1,2-Trichloroethane	10.19	97	422281	46.27	ug/l	98
56) Ethyl methacrylate	10.04	69	536863	50.98	ug/l	99
57) 1,3-Dichloropropane	10.39	76	672767	50.94	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.93	63	1297402	256.79	ug/l	97
59) 2-Hexanone	10.50	43	2297031	275.58	ug/l	100
60) Dibromochloromethane	10.64	129	586769	51.16	ug/l	99
61) 1,2-Dibromoethane	10.76	107	477275	51.72	ug/l	99
64) Tetrachloroethene	10.26	164	518046	48.39	ug/l	99
65) Chlorobenzene	11.32	112	1394080	50.67	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.42	131	500442	49.79	ug/l	100
67) Ethyl Benzene	11.43	91	2324444	50.22	ug/l	100
68) m/p-Xylenes	11.57	106	1751713	103.95	ug/l	97
69) o-Xylene	11.94	106	820580	49.79	ug/l	100
70) Styrene	11.96	104	1437114	50.36	ug/l	99
71) Bromoform	12.12	173	448641	51.59	ug/l	99
73) Isopropylbenzene	12.28	105	2305600	49.38	ug/l	100
74) N-amyl acetate	12.14	43	1021636	49.97	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.57	83	544973	50.46	ug/l	100
76) 1,2,3-Trichloropropane	12.60	75	568600	50.01	ug/l	98
77) Bromobenzene	12.54	156	643483	49.71	ug/l	99
78) n-propylbenzene	12.64	91	2992849	50.62	ug/l	100
79) 2-Chlorotoluene	12.71	91	1663684	49.75	ug/l	99
80) 1,3,5-Trimethylbenzene	12.80	105	1840755	49.58	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.35	75	178751	50.55	ug/l	99
82) 4-Chlorotoluene	12.82	91	1871930	49.08	ug/l	99
83) tert-Butylbenzene	13.05	119	2132640	50.43	ug/l	99
84) 1,2,4-Trimethylbenzene	13.09	105	1935289	50.02	ug/l	99
85) sec-Butylbenzene	13.22	105	2386902	48.00	ug/l	99
86) p-Isopropyltoluene	13.35	119	1999102	49.43	ug/l	99
87) 1,3-Dichlorobenzene	13.32	146	1157037	50.06	ug/l	99
88) 1,4-Dichlorobenzene	13.40	146	1159429	50.28	ug/l	99
89) n-Butylbenzene	13.65	91	1980286	51.72	ug/l	99
90) Hexachloroethane	13.86	117	545762	50.25	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	981823	49.96	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	81204	48.90	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.80	180	837583	49.78	ug/l	99
94) Hexachlorobutadiene	14.89	225	564055	51.14	ug/l	99
95) Naphthalene	14.97	128	1331536	51.78	ug/l	100
96) 1,2,3-Trichlorobenzene	15.12	180	729522	50.69	ug/l	100

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

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