

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082318\
 Data File : VD059894.D
 Acq On : 23 Aug 2018 18:01
 Operator : JC/SY
 Sample : J4559-11MSD
 Misc : 5.04g/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 RA-081718-WSW-20-053

Manual Integrations
 APPROVED

MMDadoda
 8/24/2018 3:09:36 PM

Quant Time: Aug 24 07:05:06 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	6.40	168	52350	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.43	114	104935	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	79742	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.36	152	29760	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	56452	127.94	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	255.88%	
35) Dibromofluoromethane	6.31	113	50131	60.93	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	121.86%	
50) Toluene-d8	9.45	98	99006	43.36	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	86.72%	
62) 4-Bromofluorobenzene	12.42	95	37400	40.33	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	80.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	11801	25.22	ug/l	89
3) Chloromethane	1.73	50	27958	65.95	ug/l	91
4) Vinyl Chloride	1.83	62	13313	40.05	ug/l	95
5) Bromomethane	2.14	94	9410	163.97	ug/l #	73
6) Chloroethane	2.24	64	9385	Below	Cal	100
7) Trichlorofluoromethane	2.50	101	11816	30.73	ug/l	94
8) Diethyl Ether	2.81	74	12107	140.34	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.07	101	5579	23.69	ug/l #	91
10) Methyl Iodide	3.23	142	11040	44.42	ug/l #	93
11) Tert butyl alcohol	3.95	59	77464	2300.90	ug/l	99
12) 1,1-Dichloroethene	3.06	96	7921	43.20	ug/l	87
13) Acrolein	3.06	56	1065	72.93	ug/l	84
14) Allyl chloride	3.37	41	1578	3.80	ug/l	96
15) Acrylonitrile	4.07	53	202270	1604.37	ug/l	98
16) Acetone	3.14	43	150216	1868.66	ug/l	94
17) Carbon Disulfide	3.30	76	16793	29.51	ug/l	100
18) Methyl Acetate	3.53	43	162443	968.01	ug/l	99
19) Methyl tert-butyl Ether	4.10	73	165616	159.69	ug/l	98
20) Methylene Chloride	3.70	84	53832	104.38	ug/l	93
21) trans-1,2-Dichloroethene	4.08	96	28161	55.75	ug/l	99
22) Diisopropyl ether	4.83	45	238289	112.65	ug/l #	81
23) Vinyl Acetate	4.83	43	106904	90.41	ug/l #	81
24) 1,1-Dichloroethane	4.73	63	72810	79.68	ug/l	100
25) 2-Butanone	5.60	43	433448	1820.59	ug/l	98
26) 2,2-Dichloropropane	5.57	77	31859	41.70	ug/l	98
27) cis-1,2-Dichloroethene	5.58	96	42353	76.58	ug/l	94
28) Bromochloromethane	5.91	49	49872	113.87	ug/l	96
29) Tetrahydrofuran	5.94	42	218094	1924.16	ug/l	98
30) Chloroform	6.08	83	78828	84.88	ug/l	98
31) Cyclohexane	6.35	56	14659	17.45	ug/l	97
32) 1,1,1-Trichloroethane	6.28	97	39774	50.46	ug/l	98
36) 1,1-Dichloropropene	6.51	75	26715	28.08	ug/l	97
37) Ethyl Acetate	5.60	43	434924	587.56	ug/l #	80
38) Carbon Tetrachloride	6.49	117	23877	24.87	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	8.03	83	6219	6.05	ug/l #	86
40) Benzene	6.78	78	127643	51.61	ug/l	95
41) Methacrylonitrile	5.92	41	68335m	183.27	ug/l	
42) 1,2-Dichloroethane	6.88	62	68330	86.05	ug/l	99
43) Isopropyl Acetate	8.34	43	8974	9.32	ug/l #	95
44) Trichloroethene	7.73	130	26583	36.50	ug/l	99
45) 1,2-Dichloropropane	8.09	63	44501	64.37	ug/l	99
46) Dibromomethane	8.21	93	39711	89.33	ug/l	95
47) Bromodichloromethane	8.48	83	68368	67.94	ug/l	98
48) Methyl methacrylate	8.24	41	117577	209.45	ug/l	99
49) 1,4-Dioxane	8.22	88	30996	6184.64	ug/l	92
51) 4-Methyl-2-Pentanone	9.33	43	762648	1062.28	ug/l	96
52) Toluene	9.54	92	68499	43.19	ug/l	99
53) t-1,3-Dichloropropene	9.91	75	56144	60.32	ug/l	95
54) cis-1,3-Dichloropropene	9.09	75	57912	53.66	ug/l	98
55) 1,1,2-Trichloroethane	10.18	97	54460	93.94	ug/l	97
56) Ethyl methacrylate	10.02	69	17954	26.83	ug/l	95
57) 1,3-Dichloropropane	10.37	76	76376	91.02	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.92	63	181933	566.81	ug/l	96
59) 2-Hexanone	10.48	43	518641	979.43	ug/l	96
60) Dibromochloromethane	10.63	129	55597	76.30	ug/l	97
61) 1,2-Dibromoethane	10.75	107	52394	89.38	ug/l	99
64) Tetrachloroethene	10.25	164	23637	38.34	ug/l	94
65) Chlorobenzene	11.31	112	73741	46.54	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	37526	64.82	ug/l	95
67) Ethyl Benzene	11.43	91	104260	39.11	ug/l	98
68) m/p-Xylenes	11.56	106	68487	70.56	ug/l	90
69) o-Xylene	11.93	106	38667	40.73	ug/l	92
70) Styrene	11.95	104	67114	40.83	ug/l	95
71) Bromoform	12.12	173	47179	94.19	ug/l #	94
73) Isopropylbenzene	12.27	105	61706	32.48	ug/l	97
74) N-amyl acetate	12.12	43	3861	4.64	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	12.56	83	83246	189.45	ug/l	97
76) 1,2,3-Trichloropropane	12.60	75	88662	191.69	ug/l	98
77) Bromobenzene	12.54	156	35153	66.74	ug/l	87
78) n-propylbenzene	12.64	91	71233	29.61	ug/l	99
79) 2-Chlorotoluene	12.71	91	60052	44.14	ug/l	98
80) 1,3,5-Trimethylbenzene	12.78	105	49156	32.55	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.34	75	16566	115.14	ug/l	91
82) 4-Chlorotoluene	12.80	91	70196	45.24	ug/l	91
83) tert-Butylbenzene	13.04	119	44071	25.62	ug/l	91
84) 1,2,4-Trimethylbenzene	13.09	105	51395	32.65	ug/l	99
85) sec-Butylbenzene	13.22	105	35888	17.74	ug/l	98
86) p-Isopropyltoluene	13.34	119	31391	19.08	ug/l	97
87) 1,3-Dichlorobenzene	13.31	146	40383	42.95	ug/l	100
88) 1,4-Dichlorobenzene	13.38	146	42726	45.54	ug/l	97
89) n-Butylbenzene	13.64	91	24335	13.04	ug/l	95
90) Hexachloroethane	13.86	117	7710	17.45	ug/l	90
91) 1,2-Dichlorobenzene	13.66	146	43909	54.92	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.22	75	16442	243.37	ug/l	63

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	15941	23.29	ug/l	96
94) Hexachlorobutadiene	14.88	225	2698	6.01	ug/l	93
95) Naphthalene	14.96	128	30368	29.03	ug/l	98
96) 1,2,3-Trichlorobenzene	15.11	180	15496	26.47	ug/l	94

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

