

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081918\
 Data File : VW004780.D
 Acq On : 18 Aug 2018 13:48
 Operator : SY/AP
 Sample : J4448-03MSD
 Misc : 5.31G/5ML/MSVOA W/SOIL
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TOD1-SB-01-0-2MSD

Manual Integrations
 APPROVED

apatel
 8/20/2018 12:44:58 PM

Quant Time: Aug 20 02:28:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:49:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	536629	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	835607	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	711545	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	327968	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	298342	57.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.00%	
35) Dibromofluoromethane	7.89	113	296702	55.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.12%	
50) Toluene-d8	10.33	98	1105307	53.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.04%	
62) 4-Bromofluorobenzene	12.62	95	352897	47.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	193981	54.57	ug/l	97
3) Chloromethane	2.22	50	269639	58.02	ug/l	99
4) Vinyl Chloride	2.37	62	408920	59.78	ug/l	100
5) Bromomethane	2.79	94	220122	52.10	ug/l	97
6) Chloroethane	2.93	64	254244	61.59	ug/l	97
7) Trichlorofluoromethane	3.26	101	189409	58.77	ug/l	99
8) Diethyl Ether	3.68	74	182150	62.51	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	313473	56.49	ug/l	100
10) Methyl Iodide	4.27	142	377019	44.73	ug/l	100
11) Tert butyl alcohol	5.23	59	93303	321.90	ug/l	99
12) 1,1-Dichloroethene	4.03	96	321525	58.14	ug/l	99
14) Allvl chloride	4.67	41	493162	58.76	ug/l	100
15) Acrylonitrile	5.37	53	260899	213.50	ug/l	99
16) Acetone	4.14	43	297527	224.65	ug/l	99
17) Carbon Disulfide	4.38	76	1032946	56.84	ug/l	100
18) Methyl Acetate	4.68	43	687292	242.16	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	478600	66.67	ug/l	96
20) Methylene Chloride	4.92	84	387618	65.43	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	351691	59.77	ug/l	98
22) Diisopropyl ether	6.31	45	950880	58.95	ug/l	95
23) Vinyl Acetate	6.31	43	483022	52.94	ug/l #	73
24) 1,1-Dichloroethane	6.21	63	632455	60.34	ug/l	99
25) 2-Butanone	7.18	43	313752	166.27	ug/l	99
26) 2,2-Dichloropropane	7.17	77	278667	46.03	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	380624	60.09	ug/l	98
28) Bromochloromethane	7.51	49	280926	63.64	ug/l	99
29) Tetrahydrofuran	7.54	42	313486	325.79	ug/l	99
30) Chloroform	7.68	83	636438	61.73	ug/l	99
31) Cyclohexane	7.96	56	557179	54.95	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	492128	60.22	ug/l	99
36) 1,1-Dichloropropene	8.09	75	482101	56.00	ug/l	100
37) Ethyl Acetate	7.26	43	19113	5.57	ug/l #	79
38) Carbon Tetrachloride	8.07	117	447110	56.43	ug/l	99
39) Methylcyclohexane	9.34	83	568650	52.82	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.33	78	1433086	57.28	ug/l	99
41) Methacrylonitrile	7.51	41	74321m	38.16	ug/l	
42) 1,2-Dichloroethane	8.40	62	381975	59.54	ug/l	100
43) Isopropyl Acetate	8.43	43	86307	14.00	ug/l	# 59
44) Trichloroethene	9.10	130	350467	55.19	ug/l	99
45) 1,2-Dichloropropane	9.37	63	357615	58.44	ug/l	99
46) Dibromomethane	9.46	93	179686	59.27	ug/l	99
47) Bromodichloromethane	9.65	83	423370	58.47	ug/l	99
48) Methyl methacrylate	9.44	41	211994	73.30	ug/l	96
49) 1,4-Dioxane	9.48	88	58162	1313.15	ug/l	# 83
51) 4-Methyl-2-Pentanone	10.21	43	1055474	253.37	ug/l	99
52) Toluene	10.39	92	842729	56.17	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	375294	51.45	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	445100	51.18	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	252299	58.55	ug/l	100
56) Ethyl methacrylate	10.65	69	57270	12.55	ug/l	# 83
57) 1,3-Dichloropropane	10.94	76	433514	58.28	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	593615	249.43	ug/l	99
59) 2-Hexanone	10.98	43	543688	192.62	ug/l	99
60) Dibromochloromethane	11.13	129	272689	56.40	ug/l	97
61) 1,2-Dibromoethane	11.24	107	231459	56.19	ug/l	99
64) Tetrachloroethene	10.87	164	282448	58.08	ug/l	99
65) Chlorobenzene	11.66	112	847443	55.34	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	307952	59.55	ug/l	97
67) Ethyl Benzene	11.74	91	1519009	58.51	ug/l	99
68) m/p-Xylenes	11.85	106	1139826	112.84	ug/l	98
69) o-Xylene	12.17	106	551548	58.98	ug/l	95
70) Stvrene	12.18	104	175027	11.14	ug/l	# 57
71) Bromoform	12.35	173	166720	61.08	ug/l	# 98
73) Isopropylbenzene	12.47	105	1445530	64.79	ug/l	99
74) N-amyl acetate	12.28	43	20957	7.71	ug/l	# 95
75) 1,1,2,2-Tetrachloroethane	12.72	83	300100	72.61	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	198578m	68.69	ug/l	
77) Bromobenzene	12.75	156	349164	64.65	ug/l	99
78) n-propylbenzene	12.81	91	1719459	63.15	ug/l	100
79) 2-Chlorotoluene	12.90	91	990011	63.08	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	1173859	61.93	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	60648	48.76	ug/l	95
82) 4-Chlorotoluene	12.99	91	997743	59.84	ug/l	99
83) tert-Butylbenzene	13.21	119	997947	61.55	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	1217490	62.43	ug/l	99
85) sec-Butylbenzene	13.39	105	1394206	57.60	ug/l	100
86) p-Isopropyltoluene	13.51	119	1132090	53.75	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	606369	55.20	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	596723	54.34	ug/l	100
89) n-Butylbenzene	13.83	91	1001664	49.19	ug/l	99
90) Hexachloroethane	14.10	117	203569	53.02	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	557168	56.47	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	44276	68.54	ug/l	98
93) 1,2,4-Trichlorobenzene	15.14	180	263740	37.79	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.24	225	146892	34.29	ug/l	99
95) Naphthalene	15.38	128	575766	43.10	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	225729	36.48	ug/l	99

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

