

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081918\
 Data File : VW004782.D
 Acq On : 18 Aug 2018 14:39
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 8/20/2018 12:45:05 PM

Quant Time: Aug 20 02:31:43 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	583409	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	912842	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	856695	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	449251	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	293044	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	
35) Dibromofluoromethane	7.88	113	294368	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
50) Toluene-d8	10.33	98	1146205	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
62) 4-Bromofluorobenzene	12.62	95	411814	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.01	85	187814	48.60	ug/l	97
3) Chloromethane	2.21	50	262381	51.93	ug/l	100
4) Vinyl Chloride	2.37	62	396330	53.29	ug/l	100
5) Bromomethane	2.79	94	249675	54.36	ug/l	97
6) Chloroethane	2.93	64	248269	55.32	ug/l	99
7) Trichlorofluoromethane	3.26	101	181655	51.85	ug/l	100
8) Diethyl Ether	3.68	74	176673	55.77	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	313502	51.96	ug/l	99
10) Methyl Iodide	4.27	142	522885	57.07	ug/l	100
11) Tert butyl alcohol	5.21	59	84887	269.38	ug/l	99
12) 1,1-Dichloroethene	4.04	96	320265	53.27	ug/l	99
13) Acrolein	3.89	56	83551	197.58	ug/l	100
14) Allyl chloride	4.67	41	493807	54.12	ug/l	99
15) Acrylonitrile	5.38	53	374862	282.17	ug/l	100
16) Acetone	4.14	43	320082	222.30	ug/l	99
17) Carbon Disulfide	4.38	76	1074848	54.40	ug/l	99
18) Methyl Acetate	4.68	43	178378	57.81	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	454793	58.27	ug/l	98
20) Methylene Chloride	4.92	84	395579	61.13	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	357899	55.95	ug/l	99
22) Diisopropyl ether	6.32	45	1056275	60.23	ug/l	98
23) Vinyl Acetate	6.26	43	2777001	279.96	ug/l	100
24) 1,1-Dichloroethane	6.22	63	642219	56.35	ug/l	99
25) 2-Butanone	7.18	43	540985	263.70	ug/l	99
26) 2,2-Dichloropropane	7.17	77	278699	42.34	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	392433	56.99	ug/l	99
28) Bromochloromethane	7.51	49	279148	58.17	ug/l	99
29) Tetrahydrofuran	7.54	42	297131	284.03	ug/l	99
30) Chloroform	7.68	83	631628	56.36	ug/l	100
31) Cyclohexane	7.96	56	553885	50.25	ug/l	99
32) 1,1,1-Trichloroethane	7.88	97	486786	54.79	ug/l	98
36) 1,1-Dichloropropene	8.09	75	492314	52.35	ug/l	100
37) Ethyl Acetate	7.26	43	204654	54.59	ug/l	99
38) Carbon Tetrachloride	8.07	117	447731	51.72	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	603820	51.34	ug/l	99
40) Benzene	8.33	78	1488739	54.47	ug/l	99
41) Methacrylonitrile	7.49	41	114922	54.02	ug/l	94
42) 1,2-Dichloroethane	8.40	62	384985	54.93	ug/l	100
43) Isopropyl Acetate	8.43	43	366368	54.41	ug/l	100
44) Trichloroethene	9.10	130	368891	53.17	ug/l	99
45) 1,2-Dichloropropane	9.37	63	366299	54.79	ug/l	100
46) Dibromomethane	9.46	93	178805	53.99	ug/l	100
47) Bromodichloromethane	9.65	83	435723	55.09	ug/l	100
48) Methyl methacrylate	9.44	41	178434	56.47	ug/l	97
49) 1,4-Dioxane	9.48	88	55625	1149.61	ug/l #	85
51) 4-Methyl-2-Pentanone	10.21	43	1267503	278.52	ug/l	99
52) Toluene	10.39	92	891148	54.37	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	406602	51.02	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	492911	51.88	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	258802	54.97	ug/l	99
56) Ethyl methacrylate	10.65	69	319848	51.89	ug/l	99
57) 1,3-Dichloropropane	10.94	76	445226	54.79	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	692737	266.45	ug/l	99
59) 2-Hexanone	10.98	43	843740	273.64	ug/l	100
60) Dibromochloromethane	11.13	129	292377	55.36	ug/l	100
61) 1,2-Dibromoethane	11.24	107	241210	53.60	ug/l	99
64) Tetrachloroethene	10.87	164	359684	61.43	ug/l	98
65) Chlorobenzene	11.66	112	974955	52.88	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	338501	54.37	ug/l	98
67) Ethyl Benzene	11.74	91	1713678	54.82	ug/l	99
68) m/p-Xylenes	11.85	106	1339238	110.12	ug/l	100
69) o-Xylene	12.17	106	636057	56.50	ug/l	99
70) Styrene	12.19	104	1078184	57.01	ug/l	100
71) Bromoform	12.35	173	176585	53.74	ug/l #	97
73) Isopropylbenzene	12.47	105	1716642	56.17	ug/l	99
74) N-amyl acetate	12.28	43	357357	49.93	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	303137	53.54	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	204352m	51.60	ug/l	
77) Bromobenzene	12.75	156	409557	55.36	ug/l	98
78) n-propylbenzene	12.81	91	2077478	55.70	ug/l	100
79) 2-Chlorotoluene	12.90	91	1200550	55.85	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	1473576	56.75	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	78502	46.07	ug/l	97
82) 4-Chlorotoluene	12.99	91	1271198	55.65	ug/l	99
83) tert-Butylbenzene	13.21	119	1244990	56.06	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	1523378	57.03	ug/l	99
85) sec-Butylbenzene	13.39	105	1818789	54.85	ug/l	100
86) p-Isopropyltoluene	13.51	119	1579531	54.75	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	818653	54.40	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	805433	53.55	ug/l	99
89) n-Butylbenzene	13.83	91	1459105	52.31	ug/l	99
90) Hexachloroethane	14.10	117	285168	54.23	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	737248	54.55	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	47562	53.75	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	518525	54.24	ug/l	99
94) Hexachlorobutadiene	15.24	225	295086	50.29	ug/l	99
95) Naphthalene	15.38	128	947927	51.10	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	470123	55.46	ug/l	99

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

