

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081918\
 Data File : VW004737.D
 Acq On : 17 Aug 2018 16:46
 Operator : SY/AP
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 8/20/2018 9:53:45 AM

Quant Time: Aug 18 01:33:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:25:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	664813	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	997189	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	940745	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	508905	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	127302	19.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.62%	
35) Dibromofluoromethane	7.88	113	129691	20.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.70%	
50) Toluene-d8	10.33	98	513524	20.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.28%	
62) 4-Bromofluorobenzene	12.62	95	183096	20.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	90976	20.66	ug/l	95
3) Chloromethane	2.21	50	111708	19.40	ug/l	99
4) Vinyl Chloride	2.37	62	178574	21.07	ug/l	99
5) Bromomethane	2.78	94	107241	20.49	ug/l	99
6) Chloroethane	2.93	64	106845	20.89	ug/l	94
7) Trichlorofluoromethane	3.25	101	81359	20.38	ug/l	96
8) Diethyl Ether	3.67	74	72501	20.08	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	143455	20.87	ug/l	99
10) Methyl Iodide	4.27	142	215057	20.60	ug/l	100
11) Tert butyl alcohol	5.21	59	33611	92.87	ug/l	99
12) 1,1-Dichloroethene	4.03	96	141587	20.67	ug/l	98
13) Acrolein	3.89	56	50780	105.38	ug/l	97
14) Allyl chloride	4.67	41	207791	19.99	ug/l	100
15) Acrylonitrile	5.37	53	147967	97.74	ug/l	99
16) Acetone	4.14	43	166102	101.23	ug/l	100
17) Carbon Disulfide	4.38	76	460898	20.47	ug/l	98
18) Methyl Acetate	4.67	43	69214	19.69	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	175899	19.78	ug/l	92
20) Methylene Chloride	4.91	84	180241	20.13	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	149575	20.52	ug/l	97
22) Diisopropyl ether	6.31	45	415586	20.80	ug/l	98
23) Vinyl Acetate	6.26	43	1119425	99.04	ug/l	100
24) 1,1-Dichloroethane	6.21	63	263935	20.32	ug/l	98
25) 2-Butanone	7.18	43	230687	98.68	ug/l	98
26) 2,2-Dichloropropane	7.17	77	152993	20.40	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	156857	19.99	ug/l	98
28) Bromochloromethane	7.51	49	110522	20.21	ug/l	97
29) Tetrahydrofuran	7.54	42	114650	96.18	ug/l	100
30) Chloroform	7.68	83	259163	20.29	ug/l	98
31) Cyclohexane	7.96	56	253370	20.17	ug/l	96
32) 1,1,1-Trichloroethane	7.88	97	207603	20.51	ug/l	99
36) 1,1-Dichloropropene	8.09	75	212248	20.66	ug/l	99
37) Ethyl Acetate	7.26	43	83414	20.37	ug/l	99
38) Carbon Tetrachloride	8.07	117	195385	20.66	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	258460	20.12	ug/l	97
40) Benzene	8.32	78	611818	20.49	ug/l	99
41) Methacrylonitrile	7.49	41	48902	21.04	ug/l	98
42) 1,2-Dichloroethane	8.40	62	157300	20.55	ug/l	100
43) Isopropyl Acetate	8.43	43	142597	19.39	ug/l	99
44) Trichloroethene	9.09	130	153073	20.20	ug/l	98
45) 1,2-Dichloropropane	9.37	63	149055	20.41	ug/l	98
46) Dibromomethane	9.46	93	73843	20.41	ug/l	99
47) Bromodichloromethane	9.65	83	174401	20.18	ug/l	98
48) Methyl methacrylate	9.44	41	65964	19.11	ug/l	98
49) 1,4-Dioxane	9.48	88	20969	396.71	ug/l #	83
51) 4-Methyl-2-Pentanone	10.21	43	494370	99.45	ug/l	99
52) Toluene	10.39	92	370944	20.72	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	175234	20.13	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	208515	20.09	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	106576	20.72	ug/l	99
56) Ethyl methacrylate	10.65	69	118710	19.54	ug/l	99
57) 1,3-Dichloropropane	10.93	76	181782	20.48	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	293531	103.35	ug/l	99
59) 2-Hexanone	10.98	43	342656	101.73	ug/l	98
60) Dibromochloromethane	11.13	129	116386	20.17	ug/l	99
61) 1,2-Dibromoethane	11.24	107	100245	20.39	ug/l	99
64) Tetrachloroethene	10.87	164	132329	20.58	ug/l	99
65) Chlorobenzene	11.66	112	410833	20.29	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	136041	19.90	ug/l	99
67) Ethyl Benzene	11.74	91	691991	20.16	ug/l	99
68) m/p-Xylenes	11.85	106	552345	41.36	ug/l	99
69) o-Xylene	12.17	106	250614	20.27	ug/l	100
70) Styrene	12.19	104	426836	20.55	ug/l	100
71) Bromoform	12.35	173	70295	19.48	ug/l	100
73) Isopropylbenzene	12.47	105	697269	20.14	ug/l	100
74) N-amyl acetate	12.28	43	139815	19.26	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	126954	19.79	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	100246m	13.30	ug/l	
77) Bromobenzene	12.76	156	167776	20.02	ug/l	99
78) n-propylbenzene	12.81	91	867951	20.54	ug/l	100
79) 2-Chlorotoluene	12.90	91	491902	20.20	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	607704	20.66	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	37174	19.26	ug/l	98
82) 4-Chlorotoluene	12.99	91	528128	20.41	ug/l	100
83) tert-Butylbenzene	13.21	119	504092	20.04	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	624206	20.63	ug/l	100
85) sec-Butylbenzene	13.39	105	765935	20.39	ug/l	100
86) p-Isopropyltoluene	13.51	119	672408	20.57	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	347947	20.41	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	344139	20.20	ug/l	99
89) n-Butylbenzene	13.83	91	639599	20.24	ug/l	99
90) Hexachloroethane	14.10	117	116821	19.61	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	308718	20.16	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19383	19.34	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	216824	20.02	ug/l	98
94) Hexachlorobutadiene	15.25	225	136758	20.58	ug/l	99
95) Naphthalene	15.38	128	360270	19.24	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	194972	20.30	ug/l	100

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

