

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080618\
 Data File : VW004477.D
 Acq On : 06 Aug 2018 18:43
 Operator : SY/AP
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 8/7/2018 4:48:55 PM

Quant Time: Aug 07 08:09:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W080618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 07:40:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	755969	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	1165142	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1114788	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	603811	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	83155	10.78	ug/l	0.00
Spiked Amount			Recovery	=	21.56%	
35) Dibromofluoromethane	7.88	113	79543	10.71	ug/l	0.00
Spiked Amount			Recovery	=	21.42%	
50) Toluene-d8	10.33	98	294073	10.08	ug/l	0.00
Spiked Amount			Recovery	=	20.16%	
62) 4-Bromofluorobenzene	12.62	95	104144	10.04	ug/l	0.00
Spiked Amount			Recovery	=	20.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	52747	17.22	ug/l	100
3) Chloromethane	2.21	50	72183	14.93	ug/l	99
4) Vinyl Chloride	2.37	62	111050	14.19	ug/l	96
5) Bromomethane	2.78	94	62366	12.39	ug/l	98
6) Chloroethane	2.92	64	62781	12.84	ug/l	100
7) Trichlorofluoromethane	3.25	101	39390	9.12	ug/l	100
8) Diethyl Ether	3.67	74	50195	12.34	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	91128	11.86	ug/l	99
10) Methyl Iodide	4.27	142	129040	11.28	ug/l	99
11) Tert butyl alcohol	5.21	59	23221	41.90	ug/l #	82
12) 1,1-Dichloroethene	4.03	96	86917	11.37	ug/l	98
13) Acrolein	3.89	56	31548	61.76	ug/l	99
14) Allyl chloride	4.66	41	127262	10.51	ug/l	99
15) Acrylonitrile	5.37	53	109146	61.56	ug/l	99
16) Acetone	4.14	43	115578	65.66	ug/l	97
17) Carbon Disulfide	4.38	76	285854	12.09	ug/l	99
18) Methyl Acetate	4.67	43	53926	11.72	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	115224	8.77	ug/l	99
20) Methylene Chloride	4.92	84	170711	20.07	ug/l	98
21) trans-1,2-Dichloroethene	5.41	96	92923	11.32	ug/l	95
22) Diisopropyl ether	6.31	45	259714	11.18	ug/l	93
23) Vinyl Acetate	6.26	43	738169	54.31	ug/l	99
24) 1,1-Dichloroethane	6.21	63	172648	11.50	ug/l	100
25) 2-Butanone	7.18	43	171509	74.96	ug/l	98
26) 2,2-Dichloropropane	7.17	77	95883	11.31	ug/l	96
27) cis-1,2-Dichloroethene	7.17	96	97201	11.57	ug/l	97
28) Bromochloromethane	7.51	49	73115	13.39	ug/l	98
29) Tetrahydrofuran	7.54	42	84905	60.35	ug/l	99
30) Chloroform	7.68	83	171152	11.97	ug/l	99
31) Cyclohexane	7.95	56	166585	12.51	ug/l #	89
32) 1,1,1-Trichloroethane	7.88	97	130975	11.31	ug/l	98
36) 1,1-Dichloropropene	8.09	75	132385	11.23	ug/l	99
37) Ethyl Acetate	7.26	43	62660	12.82	ug/l	98
38) Carbon Tetrachloride	8.07	117	119696	10.41	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	149097	10.41	ug/l	97
40) Benzene	8.32	78	390891	11.73	ug/l	98
41) Methacrylonitrile	7.49	41	31517	11.27	ug/l	98
42) 1,2-Dichloroethane	8.40	62	110336	11.65	ug/l	100
43) Isopropyl Acetate	8.43	43	101216	11.53	ug/l	98
44) Trichloroethene	9.09	130	94354	10.60	ug/l	97
45) 1,2-Dichloropropane	9.37	63	94522	11.43	ug/l	96
46) Dibromomethane	9.46	93	49429	11.68	ug/l	99
47) Bromodichloromethane	9.65	83	114643	10.82	ug/l	99
48) Methyl methacrylate	9.44	41	46011	10.38	ug/l	97
49) 1,4-Dioxane	9.48	88	14298	222.25	ug/l #	99
51) 4-Methyl-2-Pentanone	10.22	43	362131	70.87	ug/l	98
52) Toluene	10.39	92	227945	10.98	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	111210	10.48	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	129989	10.50	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	72460	12.05	ug/l	99
56) Ethyl methacrylate	10.65	69	74125	10.14	ug/l	100
57) 1,3-Dichloropropane	10.94	76	122605	11.93	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	166342	49.73	ug/l	100
59) 2-Hexanone	10.98	43	242034	69.22	ug/l	97
60) Dibromochloromethane	11.13	129	75943	10.64	ug/l	99
61) 1,2-Dibromoethane	11.24	107	68046	11.85	ug/l	98
64) Tetrachloroethene	10.87	164	81571	10.06	ug/l	100
65) Chlorobenzene	11.66	112	258739	11.02	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	87412	10.54	ug/l	97
67) Ethyl Benzene	11.74	91	417396	10.16	ug/l	98
68) m/p-Xylenes	11.85	106	330694	20.97	ug/l	97
69) o-Xylene	12.17	106	145946	10.01	ug/l	99
70) Styrene	12.19	104	249136	10.07	ug/l	99
71) Bromoform	12.35	173	47178	10.18	ug/l #	98
73) Isopropylbenzene	12.47	105	404119	9.59	ug/l	99
74) N-amyl acetate	12.28	43	93378	10.09	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	90365	11.97	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	64059m	11.74	ug/l	
77) Bromobenzene	12.75	156	101355	10.00	ug/l	98
78) n-propylbenzene	12.81	91	512626	10.01	ug/l	99
79) 2-Chlorotoluene	12.90	91	300873	10.26	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	354702	9.78	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	24742	10.28	ug/l	94
82) 4-Chlorotoluene	12.99	91	326129	10.45	ug/l	99
83) tert-Butylbenzene	13.21	119	286518	9.50	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	365000	9.85	ug/l	100
85) sec-Butylbenzene	13.39	105	448253	10.16	ug/l	100
86) p-Isopropyltoluene	13.51	119	382433	9.68	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	216419	10.61	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	218108	10.72	ug/l	98
89) n-Butylbenzene	13.84	91	373418	10.03	ug/l	98
90) Hexachloroethane	14.10	117	71811	10.17	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	197575	10.80	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	14618	11.18	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	129480	10.10	ug/l	99
94) Hexachlorobutadiene	15.25	225	78203	10.03	ug/l	99
95) Naphthalene	15.38	128	224574	9.99	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	118239	10.46	ug/l	99

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

