

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091018\
 Data File : VW005246.D
 Acq On : 10 Sep 2018 17:30
 Operator : SY/AP
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICSVW091018

Manual Integrations
 APPROVED

apatel
 9/11/2018 11:09:41 AM

Quant Time: Sep 11 04:00:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 03:48:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	534890	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	781088	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	755420	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	405205	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.32	65	201457	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
35) Dibromofluoromethane	7.89	113	204343	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
50) Toluene-d8	10.33	98	1038196	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
62) 4-Bromofluorobenzene	12.63	95	380245	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	213958	46.37	ug/l	100
3) Chloromethane	2.22	50	309879	50.23	ug/l	98
4) Vinyl Chloride	2.36	62	287672	50.80	ug/l	98
5) Bromomethane	2.76	94	194674	57.09	ug/l	100
6) Chloroethane	2.92	64	161108	51.64	ug/l	100
7) Trichlorofluoromethane	3.26	101	317161	49.51	ug/l	98
8) Diethyl Ether	3.69	74	116305	50.94	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.07	101	225206	49.22	ug/l	98
10) Methyl Iodide	4.28	142	278325	49.01	ug/l	99
11) Tert butyl alcohol	5.17	59	84234	257.46	ug/l	99
12) 1,1-Dichloroethene	4.04	96	209997	49.84	ug/l	99
13) Acrolein	3.90	56	80160	253.64	ug/l	99
14) Allyl chloride	4.68	41	341160	52.70	ug/l	99
15) Acrylonitrile	5.37	53	277620	269.52	ug/l	99
16) Acetone	4.13	43	194573	262.75	ug/l	99
17) Carbon Disulfide	4.38	76	777075	52.54	ug/l	99
18) Methyl Acetate	4.68	43	118868	53.77	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	536694	53.48	ug/l	98
20) Methylene Chloride	4.92	84	286177	52.14	ug/l	99
21) trans-1,2-Dichloroethene	5.43	96	246213	50.05	ug/l	98
22) Diisopropyl ether	6.32	45	732726	56.22	ug/l	95
23) Vinyl Acetate	6.27	43	2026448	278.99	ug/l	100
24) 1,1-Dichloroethane	6.23	63	416502	51.91	ug/l	100
25) 2-Butanone	7.18	43	316850	271.26	ug/l	96
26) 2,2-Dichloropropane	7.18	77	350892	50.44	ug/l	100
27) cis-1,2-Dichloroethene	7.18	96	270404	51.36	ug/l	99
28) Bromochloromethane	7.52	49	153485	51.86	ug/l	# 95
29) Tetrahydrofuran	7.54	42	213422	271.13	ug/l	99
30) Chloroform	7.68	83	410152	50.94	ug/l	100
31) Cyclohexane	7.96	56	450318	52.75	ug/l	99
32) 1,1,1-Trichloroethane	7.88	97	377435	51.89	ug/l	99
36) 1,1-Dichloropropene	8.09	75	372855	52.10	ug/l	99
37) Ethyl Acetate	7.26	43	142675	52.42	ug/l	100
38) Carbon Tetrachloride	8.07	117	337121	50.29	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	499333	52.55	ug/l	98
40) Benzene	8.34	78	1111172	52.71	ug/l	100
41) Methacrylonitrile	7.49	41	76686	54.91	ug/l	95
42) 1,2-Dichloroethane	8.41	62	250590	49.68	ug/l	100
43) Isopropyl Acetate	8.43	43	274827	54.37	ug/l	100
44) Trichloroethene	9.10	130	292279	50.53	ug/l	100
45) 1,2-Dichloropropane	9.38	63	267500	52.79	ug/l	98
46) Dibromomethane	9.46	93	120775	48.69	ug/l	99
47) Bromodichloromethane	9.65	83	310201	51.12	ug/l	96
48) Methyl methacrylate	9.44	41	137688	52.46	ug/l	94
49) 1,4-Dioxane	9.45	88	51354	1108.89	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	769897	270.67	ug/l	100
52) Toluene	10.40	92	778879	50.83	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	341392	52.06	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	408618	52.03	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	195506	49.43	ug/l	99
56) Ethyl methacrylate	10.65	69	271464	54.14	ug/l	99
57) 1,3-Dichloropropane	10.94	76	336851	51.29	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	601839	276.16	ug/l	99
59) 2-Hexanone	10.98	43	556753	271.50	ug/l	99
60) Dibromochloromethane	11.13	129	224800	51.22	ug/l	99
61) 1,2-Dibromoethane	11.24	107	184321	50.82	ug/l	100
64) Tetrachloroethene	10.87	164	285019	50.85	ug/l	98
65) Chlorobenzene	11.66	112	853798	51.59	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	251453	50.89	ug/l	99
67) Ethyl Benzene	11.74	91	1517107	52.64	ug/l	100
68) m/p-Xylenes	11.85	106	1211978	104.36	ug/l	98
69) o-Xylene	12.17	106	566155	52.40	ug/l	99
70) Styrene	12.19	104	935880	53.08	ug/l	99
71) Bromoform	12.35	173	139657	52.13	ug/l #	98
73) Isopropylbenzene	12.47	105	1536650	53.67	ug/l	100
74) N-amyl acetate	12.28	43	313121	57.48	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	235577	54.75	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	163964m	52.61	ug/l	
77) Bromobenzene	12.76	156	356365	52.84	ug/l	98
78) n-propylbenzene	12.81	91	1867383	54.31	ug/l	99
79) 2-Chlorotoluene	12.90	91	1054115	53.46	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	1307050	53.61	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	73600	55.38	ug/l	98
82) 4-Chlorotoluene	13.00	91	1105479	53.34	ug/l	99
83) tert-Butylbenzene	13.21	119	1158012	54.31	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	1325782	54.12	ug/l	99
85) sec-Butylbenzene	13.40	105	1651916	53.91	ug/l	99
86) p-Isopropyltoluene	13.51	119	1468294	54.13	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	742132	52.40	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	720640	51.81	ug/l	100
89) n-Butylbenzene	13.83	91	1374651	53.91	ug/l	98
90) Hexachloroethane	14.10	117	232352	53.46	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	655895	52.69	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	40143	56.10	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	469217	53.29	ug/l	99
94) Hexachlorobutadiene	15.25	225	292062	51.80	ug/l	100
95) Naphthalene	15.38	128	807449	56.56	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	406678	53.67	ug/l	98

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

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