

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091818\
 Data File : VW005500.D
 Acq On : 19 Sep 2018 01:07
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 9/19/2018 3:44:50 PM

Quant Time: Sep 19 06:58:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091618S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 15 02:32:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	313565	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	481697	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	454833	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	229836	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	152020	46.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.42%	
35) Dibromofluoromethane	7.89	113	128340	47.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.04%	
50) Toluene-d8	10.33	98	621756	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
62) 4-Bromofluorobenzene	12.62	95	231917	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	128192	47.97	ug/l	98
3) Chloromethane	2.21	50	199244	53.83	ug/l	100
4) Vinyl Chloride	2.36	62	173046	49.91	ug/l	96
5) Bromomethane	2.78	94	108346	51.52	ug/l	99
6) Chloroethane	2.92	64	96359	46.89	ug/l	96
7) Trichlorofluoromethane	3.26	101	206055	44.86	ug/l	99
8) Diethyl Ether	3.69	74	73605	53.92	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.07	101	131965	49.26	ug/l	97
10) Methyl Iodide	4.28	142	133707	40.12	ug/l	96
11) Tert butyl alcohol	5.23	59	52341	268.47	ug/l	98
12) 1,1-Dichloroethene	4.04	96	122082	50.32	ug/l	90
13) Acrolein	3.91	56	37598	270.27	ug/l	97
14) Allyl chloride	4.68	41	268136	59.40	ug/l	92
15) Acrylonitrile	5.39	53	178755	286.28	ug/l	99
16) Acetone	4.16	43	134686	290.69	ug/l	98
17) Carbon Disulfide	4.38	76	429052	50.20	ug/l	99
18) Methyl Acetate	4.70	43	92977	59.45	ug/l	97
19) Methyl tert-butyl Ether	5.44	73	356613	54.14	ug/l	99
20) Methylene Chloride	4.92	84	179053	56.16	ug/l	92
21) trans-1,2-Dichloroethene	5.43	96	146395	50.53	ug/l	94
22) Diisopropyl ether	6.32	45	553373	62.36	ug/l	97
23) Vinyl Acetate	6.27	43	1511282	298.87	ug/l	97
24) 1,1-Dichloroethane	6.23	63	290505	53.95	ug/l	98
25) 2-Butanone	7.19	43	224776	287.08	ug/l	92
26) 2,2-Dichloropropane	7.18	77	229566	47.52	ug/l	99
27) cis-1,2-Dichloroethene	7.18	96	163826	51.98	ug/l	98
28) Bromochloromethane	7.52	49	117978	56.33	ug/l #	88
29) Tetrahydrofuran	7.54	42	149579	299.88	ug/l	94
30) Chloroform	7.68	83	280327	50.27	ug/l	99
31) Cyclohexane	7.96	56	281150	54.12	ug/l	94
32) 1,1,1-Trichloroethane	7.88	97	252976	48.79	ug/l	99
36) 1,1-Dichloropropene	8.09	75	229947	50.44	ug/l	99
37) Ethyl Acetate	7.26	43	105098	56.69	ug/l	97
38) Carbon Tetrachloride	8.07	117	214923	45.24	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	278159	52.51	ug/l	98
40) Benzene	8.33	78	690316	52.27	ug/l	100
41) Methacrylonitrile	7.49	41	66930	59.84	ug/l	95
42) 1,2-Dichloroethane	8.41	62	190962	46.20	ug/l	97
43) Isopropyl Acetate	8.43	43	204865	56.62	ug/l	97
44) Trichloroethene	9.10	130	165206	48.61	ug/l	97
45) 1,2-Dichloropropane	9.38	63	175285	55.56	ug/l	99
46) Dibromomethane	9.46	93	78007	50.26	ug/l	97
47) Bromodichloromethane	9.65	83	208826	49.66	ug/l	99
48) Methyl methacrylate	9.45	41	103237	57.18	ug/l	96
49) 1,4-Dioxane	9.49	88	29371	1135.40	ug/l #	99
51) 4-Methyl-2-Pentanone	10.22	43	551091	295.89	ug/l	99
52) Toluene	10.40	92	466211	52.13	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	214369	50.94	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	252467	52.98	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	115293	49.98	ug/l	96
56) Ethyl methacrylate	10.65	69	168123	57.58	ug/l	98
57) 1,3-Dichloropropane	10.94	76	209873	52.71	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	404188	306.07	ug/l	95
59) 2-Hexanone	10.98	43	384450	303.03	ug/l	99
60) Dibromochloromethane	11.13	129	131962	47.55	ug/l	99
61) 1,2-Dibromoethane	11.24	107	105964	51.22	ug/l	99
64) Tetrachloroethene	10.87	164	169278	50.36	ug/l	98
65) Chlorobenzene	11.66	112	499289	51.72	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	153892	49.88	ug/l	98
67) Ethyl Benzene	11.74	91	912890	53.78	ug/l	98
68) m/p-Xylenes	11.85	106	690577	105.70	ug/l	99
69) o-Xylene	12.17	106	324339	53.31	ug/l	100
70) Styrene	12.19	104	541528	53.93	ug/l	99
71) Bromoform	12.35	173	78355	48.01	ug/l #	98
73) Isopropylbenzene	12.47	105	892599	55.36	ug/l	100
74) N-amyl acetate	12.28	43	211095	62.13	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	136265	57.93	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	97108m	51.37	ug/l	
77) Bromobenzene	12.76	156	195517	51.29	ug/l	93
78) n-propylbenzene	12.81	91	1087570	55.89	ug/l	99
79) 2-Chlorotoluene	12.90	91	628849	54.77	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	756622	53.78	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	40439	55.49	ug/l	98
82) 4-Chlorotoluene	12.99	91	653233	53.89	ug/l	100
83) tert-Butylbenzene	13.21	119	629475	53.87	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	772080	54.05	ug/l	100
85) sec-Butylbenzene	13.39	105	916480	54.28	ug/l	99
86) p-Isopropyltoluene	13.51	119	806410	53.40	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	399839	51.72	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	391369	51.40	ug/l	100
89) n-Butylbenzene	13.83	91	779149	55.41	ug/l	99
90) Hexachloroethane	14.10	117	135429	52.34	ug/l	95
91) 1,2-Dichlorobenzene	13.88	146	352598	52.18	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	24070	53.28	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	237151	52.60	ug/l	99
94) Hexachlorobutadiene	15.24	225	144433	49.06	ug/l	99
95) Naphthalene	15.38	128	410074	54.59	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	204573	51.99	ug/l	99

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

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