

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091718\
 Data File : VW005449.D
 Acq On : 17 Sep 2018 23:31
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 9/18/2018 2:43:38 PM

Quant Time: Sep 18 02:18:28 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	277507	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	421373	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	404411	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	207708	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	129494	44.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.90%	
35) Dibromofluoromethane	7.89	113	108903	46.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.18%	
50) Toluene-d8	10.33	98	533477	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	
62) 4-Bromofluorobenzene	12.62	95	197467	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	115683	49.01	ug/l	99
3) Chloromethane	2.21	50	163189	49.82	ug/l	99
4) Vinyl Chloride	2.36	62	147793	48.17	ug/l	98
5) Bromomethane	2.78	94	89215	47.50	ug/l	99
6) Chloroethane	2.92	64	84976	46.73	ug/l	96
7) Trichlorofluoromethane	3.26	101	180256	44.34	ug/l	98
8) Diethyl Ether	3.69	74	60358	49.96	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.07	101	110729	46.71	ug/l	99
10) Methyl Iodide	4.28	142	150518	49.93	ug/l	97
11) Tert butyl alcohol	5.20	59	43325	249.73	ug/l #	71
12) 1,1-Dichloroethene	4.04	96	103240	48.08	ug/l	94
13) Acrolein	3.91	56	33612	273.08	ug/l	98
14) Allyl chloride	4.68	41	213179	53.36	ug/l	95
15) Acrylonitrile	5.38	53	141540	256.13	ug/l	99
16) Acetone	4.15	43	108215	262.11	ug/l	98
17) Carbon Disulfide	4.39	76	360417	47.65	ug/l	100
18) Methyl Acetate	4.68	43	71307	51.52	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	299716	51.41	ug/l	99
20) Methylene Chloride	4.93	84	153758	54.30	ug/l	98
21) trans-1,2-Dichloroethene	5.43	96	126437	49.31	ug/l	97
22) Diisopropyl ether	6.32	45	446115	56.80	ug/l	98
23) Vinyl Acetate	6.26	43	1226994	274.18	ug/l	100
24) 1,1-Dichloroethane	6.23	63	242255	50.83	ug/l	99
25) 2-Butanone	7.18	43	175297	252.98	ug/l	95
26) 2,2-Dichloropropane	7.18	77	205530	48.08	ug/l	99
27) cis-1,2-Dichloroethene	7.18	96	140397	50.34	ug/l	99
28) Bromochloromethane	7.52	49	97525	52.61	ug/l #	95
29) Tetrahydrofuran	7.54	42	117884	267.05	ug/l	97
30) Chloroform	7.68	83	240707	48.77	ug/l	99
31) Cyclohexane	7.96	56	233087	50.70	ug/l	95
32) 1,1,1-Trichloroethane	7.88	97	219636	47.86	ug/l	99
36) 1,1-Dichloropropene	8.09	75	196250	49.21	ug/l	99
37) Ethyl Acetate	7.26	43	85187	52.53	ug/l	97
38) Carbon Tetrachloride	8.07	117	191453	46.07	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	241351	52.09	ug/l	98
40) Benzene	8.33	78	584108	50.56	ug/l	99
41) Methacrylonitrile	7.49	41	52494	53.65	ug/l	96
42) 1,2-Dichloroethane	8.41	62	166746	46.12	ug/l	98
43) Isopropyl Acetate	8.43	43	165164	52.19	ug/l	99
44) Trichloroethene	9.10	130	144454	48.58	ug/l	99
45) 1,2-Dichloropropane	9.38	63	144573	52.38	ug/l	100
46) Dibromomethane	9.46	93	65578	48.30	ug/l	99
47) Bromodichloromethane	9.65	83	181115	49.24	ug/l	99
48) Methyl methacrylate	9.44	41	84917	53.76	ug/l	97
49) 1,4-Dioxane	9.47	88	25177	1112.60	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	440751	270.52	ug/l	99
52) Toluene	10.40	92	403985	51.64	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	186870	50.76	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	217713	52.23	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	97605	48.37	ug/l	99
56) Ethyl methacrylate	10.65	69	139602	54.66	ug/l	98
57) 1,3-Dichloropropane	10.94	76	178271	51.18	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	312602	270.60	ug/l	97
59) 2-Hexanone	10.98	43	308361	277.85	ug/l	99
60) Dibromochloromethane	11.13	129	118006	48.60	ug/l	100
61) 1,2-Dibromoethane	11.24	107	90174	49.83	ug/l	100
64) Tetrachloroethene	10.87	164	147337	49.30	ug/l	97
65) Chlorobenzene	11.66	112	435541	50.75	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	136424	49.73	ug/l	99
67) Ethyl Benzene	11.74	91	796332	52.76	ug/l	99
68) m/p-Xylenes	11.85	106	603117	103.82	ug/l	100
69) o-Xylene	12.17	106	284700	52.63	ug/l	99
70) Styrene	12.19	104	476013	53.32	ug/l	99
71) Bromoform	12.35	173	70542	48.61	ug/l #	99
73) Isopropylbenzene	12.47	105	784320	53.82	ug/l	100
74) N-amyl acetate	12.28	43	174852	56.94	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	114811	54.01	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	80283m	46.99	ug/l	
77) Bromobenzene	12.75	156	175126	50.83	ug/l	96
78) n-propylbenzene	12.81	91	950558	54.05	ug/l	100
79) 2-Chlorotoluene	12.90	91	556006	53.59	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	677493	53.28	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	35970	54.62	ug/l	95
82) 4-Chlorotoluene	12.99	91	576474	52.63	ug/l	99
83) tert-Butylbenzene	13.21	119	570378	54.01	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	690835	53.52	ug/l	100
85) sec-Butylbenzene	13.39	105	818975	53.67	ug/l	100
86) p-Isopropyltoluene	13.51	119	733724	53.77	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	356959	51.09	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	350319	50.91	ug/l	99
89) n-Butylbenzene	13.83	91	699472	55.04	ug/l	99
90) Hexachloroethane	14.10	117	121274	51.87	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	316404	51.82	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19926	48.80	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	218081	53.53	ug/l	99
94) Hexachlorobutadiene	15.24	225	136923	51.46	ug/l	100
95) Naphthalene	15.38	128	368472	54.27	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	186485	52.45	ug/l	100

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

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