

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090118\
 Data File : VW005059.D
 Acq On : 01 Sep 2018 01:55
 Operator : SY/AP
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

apatel
 9/4/2018 9:37:12 AM

Quant Time: Sep 01 03:26:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 01 03:06:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	534669	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	772140	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	752806	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	392421	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	383156	101.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	203.96%	
35) Dibromofluoromethane	7.89	113	412452	105.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	210.02%	
50) Toluene-d8	10.33	98	1991081	94.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	189.00%	
62) 4-Bromofluorobenzene	12.62	95	700350	91.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	182.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	368533	80.20	ug/l	97
3) Chloromethane	2.21	50	558816	84.99	ug/l	98
4) Vinyl Chloride	2.36	62	556813	85.16	ug/l	100
5) Bromomethane	2.76	94	362985	84.36	ug/l	97
6) Chloroethane	2.92	64	345791	88.48	ug/l	99
7) Trichlorofluoromethane	3.26	101	618172	91.17	ug/l	99
8) Diethyl Ether	3.69	74	228006	113.29	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	416049	97.50	ug/l	99
10) Methyl Iodide	4.28	142	703195	120.25	ug/l	100
11) Tert butyl alcohol	5.18	59	124625	455.49	ug/l	98
12) 1,1-Dichloroethene	4.04	96	413591	104.17	ug/l	97
13) Acrolein	3.90	56	134736	442.64	ug/l	99
14) Allyl chloride	4.68	41	670206	109.13	ug/l	100
15) Acrylonitrile	5.38	53	493859	496.82	ug/l	100
16) Acetone	4.13	43	392805	468.85	ug/l	96
17) Carbon Disulfide	4.39	76	1473859	90.76	ug/l	99
18) Methyl Acetate	4.68	43	238979	114.43	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	1036601	118.71	ug/l	98
20) Methylene Chloride	4.92	84	541635	77.30	ug/l	96
21) trans-1,2-Dichloroethene	5.43	96	496781	112.88	ug/l	99
22) Diisopropyl ether	6.32	45	1430055	113.76	ug/l	98
23) Vinyl Acetate	6.26	43	3728410	576.12	ug/l	99
24) 1,1-Dichloroethane	6.23	63	833821	108.94	ug/l	99
25) 2-Butanone	7.18	43	678290	512.21	ug/l	98
26) 2,2-Dichloropropane	7.18	77	641734	96.57	ug/l	100
27) cis-1,2-Dichloroethene	7.18	96	549838	114.26	ug/l	100
28) Bromochloromethane	7.52	49	310860	94.39	ug/l	99
29) Tetrahydrofuran	7.54	42	370199	547.91	ug/l	100
30) Chloroform	7.68	83	837559	110.36	ug/l	98
31) Cyclohexane	7.96	56	807007	101.32	ug/l	98
32) 1,1,1-Trichloroethane	7.88	97	720644	104.34	ug/l	100
36) 1,1-Dichloropropene	8.09	75	713240	107.27	ug/l	99
37) Ethyl Acetate	7.26	43	250294	102.83	ug/l	99
38) Carbon Tetrachloride	8.07	117	646809	100.04	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	912576	100.53	ug/l	99
40) Benzene	8.33	78	2191641	103.34	ug/l	99
41) Methacrylonitrile	7.49	41	146103	101.91	ug/l	94
42) 1,2-Dichloroethane	8.41	62	492070	102.14	ug/l	100
43) Isopropyl Acetate	8.43	43	488549	102.57	ug/l	100
44) Trichloroethene	9.10	130	581463	106.43	ug/l	99
45) 1,2-Dichloropropane	9.37	63	525273	107.37	ug/l	100
46) Dibromomethane	9.46	93	239389	102.23	ug/l	99
47) Bromodichloromethane	9.65	83	617869	106.64	ug/l	100
48) Methyl methacrylate	9.44	41	247594	100.22	ug/l	98
49) 1,4-Dioxane	9.46	88	78462	1661.51	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	1652085	469.49	ug/l	99
52) Toluene	10.40	92	1520032	96.90	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	663943	109.40	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	791061	111.00	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	378075	99.97	ug/l	97
56) Ethyl methacrylate	10.65	69	495700	101.58	ug/l	99
57) 1,3-Dichloropropane	10.94	76	640638	103.38	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	1107633	521.66	ug/l	100
59) 2-Hexanone	10.98	43	1132772	447.85	ug/l	98
60) Dibromochloromethane	11.13	129	449073	108.35	ug/l	100
61) 1,2-Dibromoethane	11.24	107	348913	99.35	ug/l	100
64) Tetrachloroethene	10.87	164	573912	103.17	ug/l	98
65) Chlorobenzene	11.66	112	1659946	99.40	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	508445	110.02	ug/l	100
67) Ethyl Benzene	11.74	91	2945261	103.02	ug/l	100
68) m/p-Xylenes	11.85	106	2326531	200.24	ug/l	100
69) o-Xylene	12.17	106	1101214	103.83	ug/l	99
70) Styrene	12.19	104	1834733	104.17	ug/l	100
71) Bromoform	12.35	173	267464	104.71	ug/l	100
73) Isopropylbenzene	12.47	105	2947197	110.68	ug/l	100
74) N-amyl acetate	12.28	43	505797	102.45	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	406559	101.73	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	276457m	98.44	ug/l	
77) Bromobenzene	12.75	156	686462	105.14	ug/l	100
78) n-propylbenzene	12.81	91	3485947	106.43	ug/l	100
79) 2-Chlorotoluene	12.90	91	1998374	105.68	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	2477695	105.67	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	129046	105.26	ug/l	97
82) 4-Chlorotoluene	12.99	91	2100342	104.45	ug/l	99
83) tert-Butylbenzene	13.21	119	2112861	107.24	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	2525948	106.04	ug/l	100
85) sec-Butylbenzene	13.39	105	3025844	104.82	ug/l	100
86) p-Isopropyltoluene	13.51	119	2722104	105.37	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	1375278	99.94	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	1343442	98.63	ug/l	100
89) n-Butylbenzene	13.83	91	2498734	103.25	ug/l	100
90) Hexachloroethane	14.10	117	437707	107.35	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	1187272	98.09	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	60497	88.30	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	809257	95.94	ug/l	100
94) Hexachlorobutadiene	15.24	225	481377	91.30	ug/l	99
95) Naphthalene	15.38	128	1355443	98.71	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	689429	92.90	ug/l	99

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

