

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV101518\
 Data File : VW006067.D
 Acq On : 15 Oct 2018 19:12
 Operator : VA/AP
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

apatel
 10/16/2018 10:34:06 AM

Quant Time: Oct 16 05:16:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 16 04:19:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	293799	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	425795	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	391708	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	222915	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	238176	85.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	170.74%	
35) Dibromofluoromethane	7.88	113	241838	90.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	180.14%	
50) Toluene-d8	10.33	98	926286	89.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	179.92%	
62) 4-Bromofluorobenzene	12.62	95	352874	90.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	180.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	156776	108.050	ug/l	95
3) Chloromethane	2.22	50	188319	108.961	ug/l	98
4) Vinyl Chloride	2.37	62	271747	101.372	ug/l	97
5) Bromomethane	2.79	94	244498	113.773	ug/l	98
6) Chloroethane	2.93	64	197870	113.644	ug/l	99
7) Trichlorofluoromethane	3.26	101	255120	116.743	ug/l	100
8) Diethyl Ether	3.68	74	124741	93.772	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	254570	95.205	ug/l	99
10) Methyl Iodide	4.27	142	434166	98.912	ug/l	99
11) Tert butyl alcohol	5.23	59	80383	398.535	ug/l	99
12) 1,1-Dichloroethene	4.04	96	239888	93.909	ug/l	96
13) Acrolein	3.90	56	73677	402.012	ug/l	97
14) Allyl chloride	4.67	41	347235	81.243	ug/l	99
15) Acrylonitrile	5.38	53	238532	429.101	ug/l	100
16) Acetone	4.15	43	215220	394.063	ug/l	99
17) Carbon Disulfide	4.38	76	736179	95.355	ug/l	100
18) Methyl Acetate	4.68	43	121677	86.963	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	362507	91.322	ug/l	97
20) Methylene Chloride	4.92	84	252805	89.197	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	267729	95.878	ug/l	97
22) Diisopropyl ether	6.32	45	703088	87.485	ug/l	98
23) Vinyl Acetate	6.26	43	2105249	428.920	ug/l	99
24) 1,1-Dichloroethane	6.22	63	446824	90.139	ug/l	99
25) 2-Butanone	7.18	43	316845	405.506	ug/l	99
26) 2,2-Dichloropropane	7.17	77	289398	83.467	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	299513	95.029	ug/l	99
28) Bromochloromethane	7.52	49	185491	98.852	ug/l	98
29) Tetrahydrofuran	7.54	42	205983	416.722	ug/l	99
30) Chloroform	7.68	83	488964	95.400	ug/l	100
31) Cyclohexane	7.96	56	404668	82.733	ug/l	97
32) 1,1,1-Trichloroethane	7.88	97	428694	93.765	ug/l	100
36) 1,1-Dichloropropene	8.09	75	378863	94.066	ug/l	99
37) Ethyl Acetate	7.26	43	145835	87.107	ug/l	99
38) Carbon Tetrachloride	8.07	117	423361	97.518	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	504006	95.010	ug/l	99
40) Benzene	8.33	78	1054110	95.584	ug/l	100
41) Methacrylonitrile	7.49	41	93027	88.092	ug/l	98
42) 1,2-Dichloroethane	8.40	62	315217	94.643	ug/l	99
43) Isopropyl Acetate	8.43	43	305385	87.586	ug/l	98
44) Trichloroethene	9.09	130	320880	99.672	ug/l	99
45) 1,2-Dichloropropane	9.37	63	253208	92.148	ug/l	99
46) Dibromomethane	9.46	93	147374	96.986	ug/l	100
47) Bromodichloromethane	9.65	83	362794	95.225	ug/l	99
48) Methyl methacrylate	9.44	41	145403	87.307	ug/l	98
49) 1,4-Dioxane	9.48	88	46043	1984.500	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	757524	444.080	ug/l	100
52) Toluene	10.39	92	711210	97.786	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	371470	94.090	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	417612	93.730	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	207387	98.261	ug/l	98
56) Ethyl methacrylate	10.65	69	263702	94.035	ug/l	98
57) 1,3-Dichloropropane	10.94	76	338406	95.644	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	469122	414.671	ug/l	100
59) 2-Hexanone	10.98	43	530414	436.013	ug/l	99
60) Dibromochloromethane	11.13	129	271411	100.049	ug/l	100
61) 1,2-Dibromoethane	11.24	107	211110	100.015	ug/l	99
64) Tetrachloroethene	10.87	164	295372	101.427	ug/l	100
65) Chlorobenzene	11.66	112	815973	98.187	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	305033	100.115	ug/l	99
67) Ethyl Benzene	11.74	91	1406124	96.129	ug/l	100
68) m/p-Xylenes	11.85	106	1125932	196.387	ug/l	99
69) o-Xylene	12.17	106	542001	98.660	ug/l	100
70) Styrene	12.19	104	898976	98.823	ug/l	100
71) Bromoform	12.35	173	179158	99.393	ug/l #	99
73) Isopropylbenzene	12.47	105	1525113	94.901	ug/l	100
74) N-amyl acetate	12.28	43	312847	84.045	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	240118	91.728	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	156832m	81.644	ug/l	
77) Bromobenzene	12.75	156	375992	98.186	ug/l	99
78) n-propylbenzene	12.81	91	1750787	92.691	ug/l	100
79) 2-Chlorotoluene	12.90	91	1001726	93.834	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	1284448	94.540	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	75752	83.731	ug/l	98
82) 4-Chlorotoluene	12.99	91	1037081	92.708	ug/l	99
83) tert-Butylbenzene	13.21	119	1149331	95.227	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	1294053	94.521	ug/l	100
85) sec-Butylbenzene	13.39	105	1606579	94.754	ug/l	100
86) p-Isopropyltoluene	13.51	119	1459499	95.577	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	740745	97.489	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	729424	96.617	ug/l	100
89) n-Butylbenzene	13.83	91	1325613	92.683	ug/l	100
90) Hexachloroethane	14.10	117	260066	91.544	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	665589	98.485	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	42846	88.479	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	504022	96.866	ug/l	100
94) Hexachlorobutadiene	15.24	225	315024	96.943	ug/l	100
95) Naphthalene	15.38	128	872413	97.571	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	442466	98.171	ug/l	100

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

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