

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV100119\
 Data File : VW013371.D
 Acq On : 01 Oct 2019 14:46
 Operator : SY/VA
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 10/7/2019 8:22:47 AM

Quant Time: Oct 01 15:54:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 15:43:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	383562	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	552441	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	477136	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	229444	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	286889	91.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	183.30%	
35) Dibromofluoromethane	7.88	113	294532	96.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	193.88%	
50) Toluene-d8	10.32	98	1223229	96.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	192.38%	
62) 4-Bromofluorobenzene	12.62	95	405581	93.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	186.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	155630	70.340	ug/l	93
3) Chloromethane	2.21	50	216288	76.047	ug/l	100
4) Vinyl Chloride	2.36	62	328353	89.551	ug/l	99
5) Bromomethane	2.76	94	210693	90.674	ug/l	97
6) Chloroethane	2.91	64	191903	88.790	ug/l	99
7) Trichlorofluoromethane	3.25	101	145551	68.841	ug/l	94
8) Diethyl Ether	3.68	74	174089	96.398	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	322558	93.706	ug/l	99
10) Methyl Iodide	4.27	142	537117	100.643	ug/l	98
11) Tert butyl alcohol	5.17	59	110658	426.234	ug/l	97
12) 1,1-Dichloroethene	4.04	96	342976	96.220	ug/l	99
13) Acrolein	3.89	56	142402	790.227	ug/l	99
14) Allyl chloride	4.66	41	522928	92.180	ug/l	98
15) Acrylonitrile	5.36	53	376803	483.402	ug/l	99
16) Acetone	4.12	43	409434	579.979	ug/l	97
17) Carbon Disulfide	4.38	76	994487	96.527	ug/l	99
18) Methyl Acetate	4.67	43	185739	93.599	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	508764	93.129	ug/l	99
20) Methylene Chloride	4.92	84	353090	88.261	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	370568	96.187	ug/l	99
22) Diisopropyl ether	6.31	45	1017032	94.278	ug/l	98
23) Vinyl Acetate	6.25	43	3094857	483.590	ug/l	99
24) 1,1-Dichloroethane	6.21	63	612520	94.096	ug/l	99
25) 2-Butanone	7.16	43	538028	507.697	ug/l	95
26) 2,2-Dichloropropane	7.16	77	345402	79.906	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	400621	98.536	ug/l	96
28) Bromochloromethane	7.51	49	240730	96.355	ug/l	95
29) Tetrahydrofuran	7.52	42	312419	480.715	ug/l	98
30) Chloroform	7.67	83	589108	92.436	ug/l	98
31) Cyclohexane	7.95	56	617234	90.963	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	472348	91.510	ug/l	98
36) 1,1-Dichloropropene	8.08	75	502152	93.847	ug/l	99
37) Ethyl Acetate	7.25	43	215866	94.924	ug/l	98
38) Carbon Tetrachloride	8.07	117	447338	93.261	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	665775	96.821	ug/l	97
40) Benzene	8.32	78	1431012	95.881	ug/l	99
41) Methacrylonitrile	7.48	41	135272	99.666	ug/l	98
42) 1,2-Dichloroethane	8.40	62	369267	92.038	ug/l	98
43) Isopropyl Acetate	8.42	43	416649	95.595	ug/l	99
44) Trichloroethene	9.09	130	407919	97.414	ug/l	96
45) 1,2-Dichloropropane	9.37	63	353203	96.933	ug/l	99
46) Dibromomethane	9.46	93	171227	96.790	ug/l	96
47) Bromodichloromethane	9.64	83	443661	98.560	ug/l	99
48) Methyl methacrylate	9.43	41	212962	103.911	ug/l	96
49) 1,4-Dioxane	9.46	88	49261	1855.077	ug/l #	90
51) 4-Methyl-2-Pentanone	10.21	43	1045071	478.292	ug/l	98
52) Toluene	10.38	92	934671	97.715	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	467093	100.998	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	560847	99.740	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	256204	96.894	ug/l	97
56) Ethyl methacrylate	10.65	69	358226	103.519	ug/l	98
57) 1,3-Dichloropropane	10.93	76	448415	97.182	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	662910	413.796	ug/l	97
59) 2-Hexanone	10.97	43	784387	521.784	ug/l	99
60) Dibromochloromethane	11.13	129	305309	101.688	ug/l	99
61) 1,2-Dibromoethane	11.23	107	250148	99.500	ug/l	100
64) Tetrachloroethene	10.86	164	351231	97.020	ug/l	96
65) Chlorobenzene	11.66	112	970102	97.365	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	342466	100.611	ug/l	99
67) Ethyl Benzene	11.73	91	1735274	96.122	ug/l	96
68) m/p-Xylenes	11.84	106	1334803	194.032	ug/l	100
69) o-Xylene	12.16	106	617114	96.487	ug/l	94
70) Styrene	12.18	104	1044039	95.083	ug/l	99
71) Bromoform	12.35	173	186133	103.507	ug/l #	99
73) Isopropylbenzene	12.46	105	1661816	98.047	ug/l	98
74) N-amyl acetate	12.27	43	354454	94.244	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	270579	95.455	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	217119m	107.151	ug/l	
77) Bromobenzene	12.75	156	409348	101.917	ug/l	98
78) n-propylbenzene	12.80	91	1978201	99.710	ug/l	99
79) 2-Chlorotoluene	12.89	91	1080039	97.171	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	1395229	97.927	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	94281	104.407	ug/l	94
82) 4-Chlorotoluene	12.99	91	1133141	96.676	ug/l	100
83) tert-Butylbenzene	13.21	119	1245775	99.620	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	1349800	95.206	ug/l	99
85) sec-Butylbenzene	13.38	105	1633748	94.760	ug/l	98
86) p-Isopropyltoluene	13.50	119	1564467	97.834	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	736026	95.217	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	743643	98.090	ug/l	99
89) n-Butylbenzene	13.82	91	1413127	96.780	ug/l	99
90) Hexachloroethane	14.09	117	265981	99.012	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	652928	97.635	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	41558	95.851	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	489019	102.048	ug/l	98
94) Hexachlorobutadiene	15.24	225	309114	94.286	ug/l	99
95) Naphthalene	15.36	128	836048	106.672	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	418263	101.013	ug/l	99

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

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