

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102319\
 Data File : VW013662.D
 Acq On : 23 Oct 2019 11:49
 Operator : SY/VA
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 10/24/2019 1:26:37 PM

Quant Time: Oct 23 14:03:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 13:51:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	371723	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	527813	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	442968	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	225121	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	27891	9.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.22%	
35) Dibromofluoromethane	7.88	113	28946	9.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.42%	
50) Toluene-d8	10.32	98	118041	9.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.88%	
62) 4-Bromofluorobenzene	12.62	95	39658	9.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.02	85	23041	17.660	ug/l	98
3) Chloromethane	2.21	50	24688	11.624	ug/l	98
4) Vinyl Chloride	2.37	62	35702	11.267	ug/l	99
5) Bromomethane	2.79	94	23033	12.023	ug/l	94
6) Chloroethane	2.93	64	21428	11.846	ug/l	97
7) Trichlorofluoromethane	3.26	101	22317	14.338	ug/l	98
8) Diethyl Ether	3.68	74	17018	10.820	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	35645	11.407	ug/l	99
10) Methyl Iodide	4.28	142	56060	11.255	ug/l	99
11) Tert butyl alcohol	5.20	59	9673	41.454	ug/l	96
12) 1,1-Dichloroethene	4.04	96	36102	11.128	ug/l	99
13) Acrolein	3.90	56	9059	40.596	ug/l	98
14) Allyl chloride	4.67	41	54180	10.861	ug/l	99
15) Acrylonitrile	5.37	53	34840	48.396	ug/l	97
16) Acetone	4.14	43	29781	45.124	ug/l	99
17) Carbon Disulfide	4.39	76	101372	11.092	ug/l	98
18) Methyl Acetate	4.68	43	18058	9.595	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	42850	9.034	ug/l	97
20) Methylene Chloride	4.92	84	42199	11.430	ug/l	95
21) trans-1,2-Dichloroethene	5.43	96	37984	10.984	ug/l	98
22) Diisopropyl ether	6.31	45	98274	10.541	ug/l #	99
23) Vinyl Acetate	6.26	43	280221	50.329	ug/l	98
24) 1,1-Dichloroethane	6.22	63	62833	10.953	ug/l	97
25) 2-Butanone	7.18	43	44124	45.567	ug/l	99
26) 2,2-Dichloropropane	7.17	77	38953	10.773	ug/l	95
27) cis-1,2-Dichloroethene	7.17	96	40088	10.940	ug/l	97
28) Bromochloromethane	7.51	49	16327	7.974	ug/l #	98
29) Tetrahydrofuran	7.53	42	28190	47.687	ug/l	96
30) Chloroform	7.68	83	62542	11.285	ug/l	91
31) Cyclohexane	7.96	56	67652	11.189	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	49118	10.956	ug/l	100
36) 1,1-Dichloropropene	8.08	75	53287	11.100	ug/l	98
37) Ethyl Acetate	7.26	43	20456	9.635	ug/l	98
38) Carbon Tetrachloride	8.07	117	47396	11.160	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	66351	10.662	ug/l	95
40) Benzene	8.32	78	148596	11.064	ug/l	99
41) Methacrylonitrile	7.48	41	13469	11.092	ug/l #	85
42) 1,2-Dichloroethane	8.40	62	37275	10.975	ug/l	99
43) Isopropyl Acetate	8.42	43	37347	9.648	ug/l	98
44) Trichloroethene	9.09	130	42151	10.999	ug/l	96
45) 1,2-Dichloropropane	9.37	63	35181	10.902	ug/l	96
46) Dibromomethane	9.46	93	17555	10.955	ug/l	95
47) Bromodichloromethane	9.65	83	42520	10.621	ug/l	99
48) Methyl methacrylate	9.43	41	18956	9.883	ug/l	99
49) 1,4-Dioxane	9.47	88	5469	200.538	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	96095	47.554	ug/l	99
52) Toluene	10.38	92	94181	10.882	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	42226	10.179	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	53511	10.615	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	25427	10.602	ug/l	98
56) Ethyl methacrylate	10.65	69	30232	9.479	ug/l	97
57) 1,3-Dichloropropane	10.93	76	42209	10.235	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.93	63	67063	44.718	ug/l	99
59) 2-Hexanone	10.97	43	62880	45.487	ug/l	99
60) Dibromochloromethane	11.13	129	29666	10.748	ug/l	95
61) 1,2-Dibromoethane	11.24	107	23867	10.456	ug/l	100
64) Tetrachloroethene	10.86	164	37393	11.393	ug/l	97
65) Chlorobenzene	11.66	112	97816	11.052	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	33167	10.762	ug/l	99
67) Ethyl Benzene	11.73	91	175446	10.835	ug/l	97
68) m/p-Xylenes	11.84	106	134304	21.803	ug/l	98
69) o-Xylene	12.16	106	61744	10.829	ug/l	98
70) Styrene	12.18	104	105030	10.735	ug/l	99
71) Bromoform	12.35	173	17610	10.505	ug/l #	93
73) Isopropylbenzene	12.46	105	170998	10.583	ug/l	100
74) N-amyl acetate	12.27	43	31830	9.174	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	27967	10.277	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	17547m	9.487	ug/l	
77) Bromobenzene	12.74	156	41028	10.678	ug/l	99
78) n-propylbenzene	12.80	91	201712	10.791	ug/l	99
79) 2-Chlorotoluene	12.89	91	111789	10.655	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	148198	10.985	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	8815	9.712	ug/l	95
82) 4-Chlorotoluene	12.99	91	118797	10.884	ug/l	97
83) tert-Butylbenzene	13.21	119	127876	10.674	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	143618	10.764	ug/l	100
85) sec-Butylbenzene	13.38	105	178080	10.799	ug/l	100
86) p-Isopropyltoluene	13.50	119	164624	10.838	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	78663	10.769	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	79872	11.158	ug/l	98
89) n-Butylbenzene	13.82	91	146755	10.700	ug/l	100
90) Hexachloroethane	14.09	117	27650	10.568	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	70161	10.913	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4331	10.046	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	48740	10.672	ug/l	99
94) Hexachlorobutadiene	15.24	225	33724	11.116	ug/l	98
95) Naphthalene	15.36	128	73466	9.405	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	41402	10.362	ug/l	100

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

