

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013179.D
 Acq On : 20 Sep 2019 13:35
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 5:28:43 AM

Quant Time: Sep 20 15:13:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 14:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	375940	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	550978	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	474695	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	243609	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	56001	16.55	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	33.10%	
35) Dibromofluoromethane	7.88	113	55809	18.73	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	37.46%	
50) Toluene-d8	10.32	98	229613	19.55	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	39.10%	
62) 4-Bromofluorobenzene	12.62	95	77531	18.43	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	36.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	45001	26.445	ug/l	100
3) Chloromethane	2.21	50	54512	25.137	ug/l	100
4) Vinyl Chloride	2.36	62	70791	24.976	ug/l	98
5) Bromomethane	2.77	94	43592	24.789	ug/l	93
6) Chloroethane	2.92	64	40505	23.422	ug/l	92
7) Trichlorofluoromethane	3.25	101	38769	20.387	ug/l	87
8) Diethyl Ether	3.68	74	34183	22.492	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	65597	22.321	ug/l	98
10) Methyl Iodide	4.27	142	101411	26.392	ug/l	100
11) Tert butyl alcohol	5.20	59	24307m	92.322	ug/l	
12) 1,1-Dichloroethene	4.03	96	68345	24.949	ug/l	97
13) Acrolein	3.90	56	17511	73.430	ug/l	89
14) Allyl chloride	4.67	41	106227	21.147	ug/l	99
15) Acrylonitrile	5.37	53	74636	99.750	ug/l	99
16) Acetone	4.13	43	61813	77.594	ug/l	97
17) Carbon Disulfide	4.38	76	193916	32.152	ug/l	100
18) Methyl Acetate	4.67	43	39082	19.866	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	103616	20.169	ug/l	95
20) Methylene Chloride	4.91	84	73153	21.676	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	72701	24.703	ug/l	99
22) Diisopropyl ether	6.31	45	205183	19.970	ug/l	96
23) Vinyl Acetate	6.25	43	608354	99.575	ug/l	99
24) 1,1-Dichloroethane	6.21	63	123845	20.693	ug/l	99
25) 2-Butanone	7.17	43	99744	92.259	ug/l	95
26) 2,2-Dichloropropane	7.16	77	80362	19.237	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	76575	22.232	ug/l	98
28) Bromochloromethane	7.51	49	42122	16.801	ug/l	98
29) Tetrahydrofuran	7.53	42	63013	100.931	ug/l	98
30) Chloroform	7.67	83	120711	20.085	ug/l	98
31) Cyclohexane	7.95	56	128317	24.144	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	98770	19.924	ug/l	99
36) 1,1-Dichloropropene	8.08	75	102716	22.610	ug/l	98
37) Ethyl Acetate	7.25	43	43158	18.673	ug/l	96
38) Carbon Tetrachloride	8.07	117	91219	20.032	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	132947	25.672	ug/l	97
40) Benzene	8.32	78	287576	22.674	ug/l	99
41) Methacrylonitrile	7.48	41	25949	17.230	ug/l	98
42) 1,2-Dichloroethane	8.40	62	75503	18.467	ug/l	99
43) Isopropyl Acetate	8.42	43	81944	18.524	ug/l	99
44) Trichloroethene	9.09	130	79522	22.737	ug/l	100
45) 1,2-Dichloropropane	9.37	63	68682	20.761	ug/l	100
46) Dibromomethane	9.46	93	33516	21.095	ug/l	97
47) Bromodichloromethane	9.64	83	83720	19.112	ug/l	99
48) Methyl methacrylate	9.44	41	37803	18.168	ug/l	97
49) 1,4-Dioxane	9.46	88	9850	387.017	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	206652	90.863	ug/l	99
52) Toluene	10.38	92	182880	22.670	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	87347	19.719	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	104987	20.528	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	50595	20.975	ug/l	98
56) Ethyl methacrylate	10.65	69	66879	20.721	ug/l	99
57) 1,3-Dichloropropane	10.93	76	87381	20.476	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.92	63	147377	86.311	ug/l	100
59) 2-Hexanone	10.97	43	144238	91.561	ug/l	100
60) Dibromochloromethane	11.13	129	55842	19.382	ug/l	100
61) 1,2-Dibromoethane	11.23	107	47935	21.715	ug/l	98
64) Tetrachloroethene	10.86	164	67677	22.941	ug/l	97
65) Chlorobenzene	11.66	112	191155	22.041	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	65363	20.072	ug/l	99
67) Ethyl Benzene	11.73	91	345536	21.656	ug/l	97
68) m/p-Xylenes	11.84	106	264729	45.023	ug/l	98
69) o-Xylene	12.16	106	122053	22.204	ug/l	97
70) Styrene	12.18	104	211379	21.700	ug/l	99
71) Bromoform	12.35	173	33576	19.735	ug/l #	99
73) Isopropylbenzene	12.46	105	342371	20.870	ug/l	99
74) N-amyl acetate	12.27	43	74826	18.194	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	56005	19.751	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	36160m	17.015	ug/l	
77) Bromobenzene	12.74	156	79890	20.904	ug/l	97
78) n-propylbenzene	12.80	91	401866	20.839	ug/l	100
79) 2-Chlorotoluene	12.89	91	225685	20.428	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	287238	20.670	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	18109	19.282	ug/l	99
82) 4-Chlorotoluene	12.99	91	239977	20.697	ug/l	99
83) tert-Butylbenzene	13.21	119	255592	20.659	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	291721	21.256	ug/l	99
85) sec-Butylbenzene	13.38	105	349690	20.681	ug/l	100
86) p-Isopropyltoluene	13.50	119	325198	20.916	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	157148	20.941	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	154029	20.937	ug/l	98
89) n-Butylbenzene	13.82	91	297577	20.403	ug/l	99
90) Hexachloroethane	14.09	117	53019	19.181	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	136372	20.719	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	8779	17.212	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	98504	20.943	ug/l	99
94) Hexachlorobutadiene	15.24	225	68253	20.602	ug/l	99
95) Naphthalene	15.36	128	159217	20.419	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	83920	20.251	ug/l	99

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

