

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011719\
 Data File : VW008325.D
 Acq On : 17 Jan 2019 13:39
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 1/18/2019 2:09:33 PM

Quant Time: Jan 18 00:40:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 18 00:24:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	105120	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	172437	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	161149	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	83850	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	21256	19.44	ug/l	0.00
Spiked Amount			Recovery	=	38.88%	
35) Dibromofluoromethane	7.88	113	20951	19.03	ug/l	0.00
Spiked Amount			Recovery	=	38.06%	
50) Toluene-d8	10.32	98	82415	19.06	ug/l	0.00
Spiked Amount			Recovery	=	38.12%	
62) 4-Bromofluorobenzene	12.62	95	29581	19.07	ug/l	0.00
Spiked Amount			Recovery	=	38.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	12991	19.613	ug/l	87
3) Chloromethane	2.21	50	17761	18.292	ug/l	95
4) Vinyl Chloride	2.36	62	24383	19.654	ug/l	90
5) Bromomethane	2.78	94	17979	19.123	ug/l	97
6) Chloroethane	2.92	64	15831	19.496	ug/l	98
7) Trichlorofluoromethane	3.26	101	16518	18.134	ug/l	97
8) Diethyl Ether	3.67	74	12285	19.449	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.05	101	20732	19.549	ug/l	95
10) Methyl Iodide	4.26	142	32084	18.758	ug/l	99
11) Tert butyl alcohol	5.18	59	7600	100.544	ug/l	94
12) 1,1-Dichloroethene	4.03	96	20674	19.167	ug/l	97
13) Acrolein	3.88	56	4865	74.930	ug/l	99
14) Allyl chloride	4.66	41	33282	18.457	ug/l	98
15) Acrylonitrile	5.36	53	23481	96.772	ug/l	97
16) Acetone	4.12	43	24128	95.012	ug/l	96
17) Carbon Disulfide	4.37	76	58917	17.951	ug/l	100
18) Methyl Acetate	4.67	43	13764	20.290	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	32695	19.802	ug/l	98
20) Methylene Chloride	4.90	84	24873	18.445	ug/l	95
21) trans-1,2-Dichloroethene	5.41	96	22658	18.703	ug/l	94
22) Diisopropyl ether	6.31	45	69067	19.619	ug/l	95
23) Vinyl Acetate	6.26	43	184975	98.296	ug/l	100
24) 1,1-Dichloroethane	6.21	63	42142	19.660	ug/l	99
25) 2-Butanone	7.17	43	31631	97.249	ug/l	95
26) 2,2-Dichloropropane	7.16	77	26492	19.367	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	25781	19.642	ug/l	99
28) Bromochloromethane	7.51	49	16590	18.786	ug/l #	96
29) Tetrahydrofuran	7.52	42	20422	100.715	ug/l	98
30) Chloroform	7.67	83	41369	19.506	ug/l	97
31) Cyclohexane	7.95	56	36856	18.046	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	35158	19.753	ug/l	97
36) 1,1-Dichloropropene	8.08	75	32586	18.783	ug/l	99
37) Ethyl Acetate	7.26	43	14242	19.907	ug/l	97
38) Carbon Tetrachloride	8.06	117	32604	19.032	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	38286	18.553	ug/l	95
40) Benzene	8.32	78	95404	19.413	ug/l	99
41) Methacrylonitrile	7.48	41	7713	18.520	ug/l	94
42) 1,2-Dichloroethane	8.40	62	26649	19.393	ug/l	98
43) Isopropyl Acetate	8.43	43	25516	18.882	ug/l	95
44) Trichloroethene	9.09	130	25674	19.069	ug/l	96
45) 1,2-Dichloropropane	9.37	63	23759	19.463	ug/l	98
46) Dibromomethane	9.46	93	12608	19.817	ug/l	95
47) Bromodichloromethane	9.65	83	31070	19.798	ug/l	93
48) Methyl methacrylate	9.43	41	11845	18.619	ug/l	91
49) 1,4-Dioxane	9.45	88	3990	389.575	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	65510	95.736	ug/l	100
52) Toluene	10.39	92	60394	19.419	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	30084	19.207	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	35337	19.138	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	17697	20.055	ug/l	97
56) Ethyl methacrylate	10.65	69	19889	19.191	ug/l	96
57) 1,3-Dichloropropane	10.93	76	30207	19.715	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.93	63	49785	99.592	ug/l	99
59) 2-Hexanone	10.97	43	47055	98.144	ug/l	99
60) Dibromochloromethane	11.13	129	20136	19.119	ug/l	99
61) 1,2-Dibromoethane	11.24	107	16819	19.683	ug/l	100
64) Tetrachloroethene	10.86	164	21438	18.973	ug/l	97
65) Chlorobenzene	11.66	112	67791	19.286	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	23221	19.194	ug/l	98
67) Ethyl Benzene	11.73	91	114743	18.800	ug/l	100
68) m/p-Xylenes	11.84	106	90510	38.207	ug/l	97
69) o-Xylene	12.16	106	42434	19.173	ug/l	100
70) Styrene	12.18	104	69256	19.481	ug/l	100
71) Bromoform	12.35	173	11627	19.293	ug/l #	97
73) Isopropylbenzene	12.47	105	113985	18.657	ug/l	99
74) N-amyl acetate	12.27	43	24633	18.814	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	19602	18.863	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	14651m	17.974	ug/l	
77) Bromobenzene	12.75	156	27448	18.704	ug/l	98
78) n-propylbenzene	12.81	91	138609	18.744	ug/l	100
79) 2-Chlorotoluene	12.90	91	80395	19.028	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	97733	19.170	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	6047	18.899	ug/l	99
82) 4-Chlorotoluene	12.99	91	84283	19.090	ug/l	99
83) tert-Butylbenzene	13.21	119	84016	18.723	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	97468	18.767	ug/l	99
85) sec-Butylbenzene	13.39	105	123585	19.182	ug/l	99
86) p-Isopropyltoluene	13.51	119	108464	19.275	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	55136	18.910	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	54680	18.718	ug/l	96
89) n-Butylbenzene	13.83	91	103180	19.116	ug/l	98
90) Hexachloroethane	14.10	117	18917	18.166	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	48565	18.865	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3192	18.785	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	33732	19.356	ug/l	100
94) Hexachlorobutadiene	15.24	225	18398	18.733	ug/l	98
95) Naphthalene	15.38	128	55201	18.956	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	28399	18.709	ug/l	99

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

