

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041719\
 Data File : VW010013.D
 Acq On : 17 Apr 2019 11:49
 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
 4/18/2019 11:40:07 AM

Quant Time: Apr 18 02:01:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 01:42:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	382764	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	618943	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	567440	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	294642	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	99611	21.09	ug/l	0.00
Spiked Amount			Recovery	=	42.18%	
35) Dibromofluoromethane	7.88	113	82208	20.89	ug/l	0.00
Spiked Amount			Recovery	=	41.78%	
50) Toluene-d8	10.32	98	312594	21.20	ug/l	0.00
Spiked Amount			Recovery	=	42.40%	
62) 4-Bromofluorobenzene	12.62	95	111968	20.89	ug/l	0.00
Spiked Amount			Recovery	=	41.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	58400	20.351	ug/l	99
3) Chloromethane	2.21	50	55970	19.177	ug/l	96
4) Vinyl Chloride	2.37	62	69492	20.484	ug/l	98
5) Bromomethane	2.78	94	45323	19.879	ug/l	98
6) Chloroethane	2.92	64	46076	20.786	ug/l	99
7) Trichlorofluoromethane	3.26	101	45466	19.383	ug/l	96
8) Diethyl Ether	3.67	74	37791	19.369	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	80041	20.819	ug/l	99
10) Methyl Iodide	4.26	142	109227	20.025	ug/l	100
11) Tert butyl alcohol	5.18	59	26410	98.445	ug/l	99
12) 1,1-Dichloroethene	4.03	96	75444	19.938	ug/l	97
13) Acrolein	3.89	56	26672	94.229	ug/l	100
14) Allyl chloride	4.66	41	133344	19.821	ug/l	98
15) Acrylonitrile	5.37	53	98644	98.240	ug/l	99
16) Acetone	4.12	43	106022	96.739	ug/l	95
17) Carbon Disulfide	4.38	76	204616	19.713	ug/l	99
18) Methyl Acetate	4.67	43	48055	18.946	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	95571	19.445	ug/l	100
20) Methylene Chloride	4.91	84	92557	18.357	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	81621	19.919	ug/l	99
22) Diisopropyl ether	6.31	45	286502	20.995	ug/l	99
23) Vinyl Acetate	6.26	43	867774	101.018	ug/l	100
24) 1,1-Dichloroethane	6.21	63	166613	20.425	ug/l	99
25) 2-Butanone	7.17	43	138970	96.530	ug/l	97
26) 2,2-Dichloropropane	7.17	77	94680	20.978	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	88848	19.716	ug/l	99
28) Bromochloromethane	7.51	49	72069	21.618	ug/l	93
29) Tetrahydrofuran	7.53	42	88984	97.547	ug/l	98
30) Chloroform	7.67	83	167719	20.519	ug/l	99
31) Cyclohexane	7.95	56	151996	19.898	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	133070	20.737	ug/l	99
36) 1,1-Dichloropropene	8.08	75	127309	20.136	ug/l	99
37) Ethyl Acetate	7.25	43	61837	19.248	ug/l	98
38) Carbon Tetrachloride	8.07	117	124565	20.187	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	140345	19.727	ug/l	96
40) Benzene	8.32	78	349554	20.221	ug/l	97
41) Methacrylonitrile	7.49	41	35597	19.441	ug/l	98
42) 1,2-Dichloroethane	8.40	62	118470	19.941	ug/l	99
43) Isopropyl Acetate	8.43	43	116480	19.348	ug/l	100
44) Trichloroethene	9.09	130	89459	20.375	ug/l	99
45) 1,2-Dichloropropane	9.37	63	91567	20.152	ug/l	98
46) Dibromomethane	9.46	93	46830	19.885	ug/l	100
47) Bromodichloromethane	9.64	83	120931	19.892	ug/l	98
48) Methyl methacrylate	9.43	41	55979	19.102	ug/l	98
49) 1,4-Dioxane	9.44	88	14565	404.746	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	308609	97.874	ug/l	99
52) Toluene	10.38	92	219543	20.388	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	118020	19.580	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	136504	19.833	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	66206	20.141	ug/l	97
56) Ethyl methacrylate	10.65	69	75652	18.513	ug/l	98
57) 1,3-Dichloropropane	10.93	76	116692	19.806	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	179189	91.229	ug/l	100
59) 2-Hexanone	10.97	43	213448	97.246	ug/l	98
60) Dibromochloromethane	11.13	129	73000	19.214	ug/l	98
61) 1,2-Dibromoethane	11.24	107	62569	20.010	ug/l	99
64) Tetrachloroethene	10.87	164	72673	19.729	ug/l	98
65) Chlorobenzene	11.66	112	239889	20.655	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	82962	19.975	ug/l	97
67) Ethyl Benzene	11.73	91	420286	20.283	ug/l	100
68) m/p-Xylenes	11.84	106	320098	41.326	ug/l	99
69) o-Xylene	12.17	106	145203	20.588	ug/l	98
70) Styrene	12.18	104	243968	20.063	ug/l	99
71) Bromoform	12.35	173	42329	19.274	ug/l #	98
73) Isopropylbenzene	12.47	105	412058	20.094	ug/l	99
74) N-amyl acetate	12.27	43	109033	19.200	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	77569	19.146	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	57162m	16.183	ug/l	
77) Bromobenzene	12.75	156	93043	19.728	ug/l	100
78) n-propylbenzene	12.80	91	518713	20.409	ug/l	99
79) 2-Chlorotoluene	12.90	91	296488	20.284	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	351539	20.219	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	22108	17.678	ug/l	91
82) 4-Chlorotoluene	12.99	91	311630	20.257	ug/l	99
83) tert-Butylbenzene	13.21	119	290038	20.144	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	361242	20.492	ug/l	98
85) sec-Butylbenzene	13.39	105	439414	20.422	ug/l	99
86) p-Isopropyltoluene	13.50	119	384626	20.281	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	193769	20.325	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	192869	20.268	ug/l	98
89) n-Butylbenzene	13.83	91	378000	20.118	ug/l	100
90) Hexachloroethane	14.10	117	72238	19.887	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	173792	20.331	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	14260	19.668	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	111367	19.748	ug/l	100
94) Hexachlorobutadiene	15.24	225	67484	19.706	ug/l	100
95) Naphthalene	15.37	128	192816	19.044	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	96704	19.765	ug/l	99

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

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