

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042020\
 Data File : VW015220.D
 Acq On : 20 Apr 2020 13:43
 Operator : SY/VA
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 4/21/2020 10:01:25 AM

Quant Time: Apr 20 14:10:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 20 13:45:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	231806	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	330349	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	317437	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	176944	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	193079	88.09	ug/l	0.00
Spiked Amount			Recovery	=	176.18%	
35) Dibromofluoromethane	7.88	113	192276	105.25	ug/l	0.00
Spiked Amount			Recovery	=	210.50%	
50) Toluene-d8	10.32	98	767877	103.47	ug/l	0.00
Spiked Amount			Recovery	=	206.94%	
62) 4-Bromofluorobenzene	12.62	95	303717	116.85	ug/l	0.00
Spiked Amount			Recovery	=	233.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	185168	123.173	ug/l	97
3) Chloromethane	2.22	50	196976	96.294	ug/l	98
4) Vinyl Chloride	2.36	62	235567	97.794	ug/l	98
5) Bromomethane	2.75	94	163492	128.927	ug/l	93
6) Chloroethane	2.91	64	140533	118.272	ug/l	98
7) Trichlorofluoromethane	3.26	101	331299	214.638	ug/l	100
8) Diethyl Ether	3.69	74	96640	81.214	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.07	101	204748	87.288	ug/l	93
10) Methyl Iodide	4.28	142	255397	72.912	ug/l	98
11) Tert butyl alcohol	5.17	59	79576	489.053	ug/l	99
12) 1,1-Dichloroethene	4.04	96	197695	81.835	ug/l	96
13) Acrolein	3.90	56	39985	236.370	ug/l	98
14) Allyl chloride	4.68	41	267479	74.846	ug/l	89
15) Acrylonitrile	5.37	53	193557	387.579	ug/l	99
16) Acetone	4.13	43	189445	485.258	ug/l	97
17) Carbon Disulfide	4.39	76	595683	81.015	ug/l	99
18) Methyl Acetate	4.68	43	91089	76.301	ug/l	95
19) Methyl tert-butyl Ether	5.43	73	474224	149.888	ug/l	96
20) Methylene Chloride	4.92	84	207842	76.876	ug/l	93
21) trans-1,2-Dichloroethene	5.43	96	228153	89.510	ug/l	95
22) Diisopropyl ether	6.32	45	523719	72.663	ug/l	95
23) Vinyl Acetate	6.26	43	1570250	375.144	ug/l	97
24) 1,1-Dichloroethane	6.22	63	357144	83.345	ug/l	99
25) 2-Butanone	7.17	43	247886	396.783	ug/l	91
26) 2,2-Dichloropropane	7.17	77	364460	127.797	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	249049	90.637	ug/l	99
28) Bromochloromethane	7.51	49	128357	71.671	ug/l #	77
29) Tetrahydrofuran	7.53	42	152508	372.408	ug/l	89
30) Chloroform	7.68	83	385720	91.891	ug/l	97
31) Cyclohexane	7.96	56	321693	70.232	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	361907	102.348	ug/l	99
36) 1,1-Dichloropropene	8.09	75	292568	99.136	ug/l	98
37) Ethyl Acetate	7.25	43	105540	85.926	ug/l	97
38) Carbon Tetrachloride	8.07	117	328094	120.922	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	399759	100.802	ug/l	97
40) Benzene	8.32	78	816282	97.409	ug/l	96
41) Methacrylonitrile	7.48	41	60469	83.205	ug/l #	86
42) 1,2-Dichloroethane	8.40	62	246857	116.067	ug/l	99
43) Isopropyl Acetate	8.43	43	219487	91.441	ug/l	96
44) Trichloroethene	9.09	130	245892	111.672	ug/l	99
45) 1,2-Dichloropropane	9.37	63	189429	91.877	ug/l	99
46) Dibromomethane	9.46	93	112747	109.421	ug/l #	88
47) Bromodichloromethane	9.65	83	291448	109.092	ug/l	97
48) Methyl methacrylate	9.43	41	101580	90.479	ug/l #	87
49) 1,4-Dioxane	9.45	88	35207	2153.688	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	526501	414.727	ug/l	96
52) Toluene	10.39	92	578859	107.917	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	300050	110.391	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	340387	103.805	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	156514	107.201	ug/l	97
56) Ethyl methacrylate	10.65	69	211500	105.124	ug/l	94
57) 1,3-Dichloropropane	10.93	76	261218	101.795	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	476091	478.131	ug/l	90
59) 2-Hexanone	10.97	43	386455	485.038	ug/l	97
60) Dibromochloromethane	11.13	129	211387	121.346	ug/l	99
61) 1,2-Dibromoethane	11.23	107	157809	112.154	ug/l	100
64) Tetrachloroethene	10.86	164	219581	117.761	ug/l	94
65) Chlorobenzene	11.66	112	634915	106.298	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	227218	110.062	ug/l	97
67) Ethyl Benzene	11.73	91	1171755	103.917	ug/l	99
68) m/p-Xylenes	11.84	106	925680	216.322	ug/l	100
69) o-Xylene	12.16	106	434176	108.252	ug/l	100
70) Styrene	12.18	104	757655	111.820	ug/l	99
71) Bromoform	12.35	173	136121	132.767	ug/l #	97
73) Isopropylbenzene	12.46	105	1212767	91.906	ug/l	99
74) N-amyl acetate	12.27	43	227529	74.175	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.71	83	177567	80.311	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	141631m	93.505	ug/l	
77) Bromobenzene	12.74	156	284498	104.065	ug/l	86
78) n-propylbenzene	12.80	91	1420528	89.264	ug/l	97
79) 2-Chlorotoluene	12.89	91	809242	91.988	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	1072392	96.514	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	65806	84.055	ug/l	94
82) 4-Chlorotoluene	12.99	91	864045	92.964	ug/l	98
83) tert-Butylbenzene	13.21	119	934300	96.977	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	1066502	96.572	ug/l	100
85) sec-Butylbenzene	13.38	105	1283379	93.730	ug/l	97
86) p-Isopropyltoluene	13.49	119	1205402	98.663	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	559431	102.714	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	555234	102.756	ug/l	97
89) n-Butylbenzene	13.82	91	1115468	92.353	ug/l	98
90) Hexachloroethane	14.09	117	218975	93.221	ug/l	74
91) 1,2-Dichlorobenzene	13.87	146	506530	104.602	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.48	75	33858	94.580	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	365292	114.324	ug/l	98
94) Hexachlorobutadiene	15.23	225	232382	126.059	ug/l	98
95) Naphthalene	15.36	128	604052	98.270	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	291743	106.394	ug/l	98

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

