

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042020\
 Data File : VW015221.D
 Acq On : 20 Apr 2020 14:06
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 4/21/2020 10:01:29 AM

Quant Time: Apr 20 14:34:26 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	246759	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	354427	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	333447	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	187964	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	302131	129.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	258.98%	
35) Dibromofluoromethane	7.88	113	301218	153.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	307.36%	
50) Toluene-d8	10.32	98	1185927	148.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	297.90%	
62) 4-Bromofluorobenzene	12.62	95	468487	168.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	336.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	289007	179.602	ug/l	97
3) Chloromethane	2.22	50	302037	138.707	ug/l	99
4) Vinyl Chloride	2.36	62	358763	139.912	ug/l	100
5) Bromomethane	2.75	94	251553	186.349	ug/l	93
6) Chloroethane	2.91	64	212640	168.113	ug/l	99
7) Trichlorofluoromethane	3.26	101	535241	325.752	ug/l	98
8) Diethyl Ether	3.69	74	149288	117.856	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.07	101	326084	130.592	ug/l	94
10) Methyl Iodide	4.28	142	395793	106.145	ug/l	100
11) Tert butyl alcohol	5.17	59	110268	636.612	ug/l	99
12) 1,1-Dichloroethene	4.04	96	310572	120.769	ug/l	95
13) Acrolein	3.90	56	62521	347.195	ug/l	99
14) Allyl chloride	4.68	41	417284	109.689	ug/l	87
15) Acrylonitrile	5.37	53	284443	535.055	ug/l	99
16) Acetone	4.13	43	242405	583.287	ug/l	96
17) Carbon Disulfide	4.39	76	913347	116.691	ug/l	99
18) Methyl Acetate	4.68	43	134556	105.881	ug/l	93
19) Methyl tert-butyl Ether	5.43	73	743008	220.611	ug/l	96
20) Methylene Chloride	4.92	84	311112	108.099	ug/l	94
21) trans-1,2-Dichloroethene	5.43	96	356816	131.505	ug/l	95
22) Diisopropyl ether	6.32	45	808903	105.430	ug/l	95
23) Vinyl Acetate	6.26	43	2414449	541.874	ug/l	96
24) 1,1-Dichloroethane	6.22	63	564841	123.827	ug/l	99
25) 2-Butanone	7.17	43	353550	531.623	ug/l #	89
26) 2,2-Dichloropropane	7.17	77	573277	188.838	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	389681	133.223	ug/l	99
28) Bromochloromethane	7.51	49	196260	102.946	ug/l #	76
29) Tetrahydrofuran	7.53	42	224160	514.205	ug/l	89
30) Chloroform	7.68	83	604940	135.383	ug/l	97
31) Cyclohexane	7.96	56	495687	101.661	ug/l	92
32) 1,1,1-Trichloroethane	7.88	97	575476	152.883	ug/l	100
36) 1,1-Dichloropropene	8.09	75	459197	145.027	ug/l	99
37) Ethyl Acetate	7.26	43	157302	119.369	ug/l	97
38) Carbon Tetrachloride	8.07	117	519552	178.476	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	612238	143.892	ug/l	97
40) Benzene	8.32	78	1247114	138.711	ug/l	97
41) Methacrylonitrile	7.49	41	102727	131.749	ug/l	96
42) 1,2-Dichloroethane	8.40	62	382383	167.575	ug/l	99
43) Isopropyl Acetate	8.43	43	325907	126.553	ug/l	96
44) Trichloroethene	9.09	130	376873	159.530	ug/l	94
45) 1,2-Dichloropropane	9.37	63	287675	130.049	ug/l	99
46) Dibromomethane	9.46	93	173444	156.893	ug/l #	87
47) Bromodichloromethane	9.65	83	457928	159.763	ug/l	97
48) Methyl methacrylate	9.43	41	153281	127.254	ug/l #	89
49) 1,4-Dioxane	9.45	88	44645	2545.499	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	774437	568.585	ug/l	96
52) Toluene	10.39	92	879655	152.854	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	454754	155.942	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	523363	148.762	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	240860	153.765	ug/l	96
56) Ethyl methacrylate	10.65	69	312075	144.576	ug/l	94
57) 1,3-Dichloropropane	10.93	76	400150	145.342	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	703006	658.056	ug/l	90
59) 2-Hexanone	10.97	43	546228	638.994	ug/l	96
60) Dibromochloromethane	11.13	129	323086	172.867	ug/l	98
61) 1,2-Dibromoethane	11.23	107	239128	158.402	ug/l	99
64) Tetrachloroethene	10.86	164	345719	176.507	ug/l	94
65) Chlorobenzene	11.66	112	953087	151.905	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	356677	164.476	ug/l	97
67) Ethyl Benzene	11.73	91	1780581	150.329	ug/l	100
68) m/p-Xylenes	11.84	106	1400680	311.609	ug/l	98
69) o-Xylene	12.16	106	665368	157.930	ug/l	99
70) Styrene	12.18	104	1150198	161.603	ug/l	100
71) Bromoform	12.35	173	204447	189.835	ug/l #	97
73) Isopropylbenzene	12.46	105	1845671	131.668	ug/l	100
74) N-amyl acetate	12.27	43	334268	102.583	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.71	83	264590	112.655	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	212988m	132.370	ug/l	
77) Bromobenzene	12.75	156	436055	150.152	ug/l	85
78) n-propylbenzene	12.80	91	2144894	126.881	ug/l	96
79) 2-Chlorotoluene	12.89	91	1231140	131.741	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	1615152	136.839	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	99165	119.239	ug/l	96
82) 4-Chlorotoluene	12.99	91	1302212	131.893	ug/l	98
83) tert-Butylbenzene	13.21	119	1397232	136.525	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	1586475	135.234	ug/l	100
85) sec-Butylbenzene	13.38	105	1917535	131.834	ug/l	97
86) p-Isopropyltoluene	13.50	119	1783163	137.396	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	848260	146.613	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	845036	147.221	ug/l	97
89) n-Butylbenzene	13.82	91	1682723	131.150	ug/l	98
90) Hexachloroethane	14.09	117	329292	131.965	ug/l	74
91) 1,2-Dichlorobenzene	13.87	146	755220	146.815	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.48	75	49430	129.983	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	556669	164.004	ug/l	97
94) Hexachlorobutadiene	15.23	225	356489	182.046	ug/l	99
95) Naphthalene	15.36	128	908394	139.118	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	458585	157.433	ug/l	94

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

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