

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030920\
 Data File : VW015096.D
 Acq On : 09 Mar 2020 12:21
 Operator : SY/VA
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:24:00 PM

Quant Time: Mar 09 18:46:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030920S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 09 18:33:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.94	168	464783	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	838974	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	756385	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	350762	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	670207	98.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.14%	
35) Dibromofluoromethane	7.88	113	494451	98.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.88%	
50) Toluene-d8	10.32	98	2174371	103.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	206.74%	
62) 4-Bromofluorobenzene	12.62	95	753040	107.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	215.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	275400	97.719	ug/l	100
3) Chloromethane	2.21	50	528694	87.418	ug/l	98
4) Vinyl Chloride	2.36	62	707348	89.337	ug/l	99
5) Bromomethane	2.77	94	407134	89.957	ug/l	97
6) Chloroethane	2.92	64	423292	92.300	ug/l	98
7) Trichlorofluoromethane	3.25	101	374034	94.401	ug/l	99
8) Diethyl Ether	3.68	74	305492	101.186	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	546903	90.546	ug/l	99
10) Methyl Iodide	4.27	142	635965	94.644	ug/l	99
11) Tert butyl alcohol	5.16	59	187794	478.140	ug/l	99
12) 1,1-Dichloroethene	4.04	96	568500	96.268	ug/l	94
13) Acrolein	3.89	56	286304	498.429	ug/l	97
14) Allyl chloride	4.66	41	1190494	100.596	ug/l	100
15) Acrylonitrile	5.36	53	816213	527.419	ug/l	99
16) Acetone	4.12	43	774478	496.914	ug/l	99
17) Carbon Disulfide	4.38	76	1964979	93.850	ug/l	99
18) Methyl Acetate	4.67	43	380182	102.902	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	789006	104.370	ug/l	98
20) Methylene Chloride	4.91	84	609457	84.467	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	609327	97.183	ug/l	98
22) Diisopropyl ether	6.31	45	2297776	101.190	ug/l	98
23) Vinyl Acetate	6.25	43	7410831	552.854	ug/l	99
24) 1,1-Dichloroethane	6.21	63	1252510	94.587	ug/l	99
25) 2-Butanone	7.17	43	1147619	537.115	ug/l	98
26) 2,2-Dichloropropane	7.16	77	680990	89.918	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	640610	98.140	ug/l	100
28) Bromochloromethane	7.51	49	606815	95.637	ug/l	100
29) Tetrahydrofuran	7.52	42	750450	561.521	ug/l	99
30) Chloroform	7.67	83	1099234	93.542	ug/l	97
31) Cyclohexane	7.95	56	1269122	93.187	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	864528	94.222	ug/l	99
36) 1,1-Dichloropropene	8.08	75	960704	98.742	ug/l	100
37) Ethyl Acetate	7.24	43	521769	107.600	ug/l	99
38) Carbon Tetrachloride	8.07	117	765894	96.700	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	1167687	104.963	ug/l	97
40) Benzene	8.32	78	2611842	96.598	ug/l	100
41) Methacrylonitrile	7.48	41	290777	113.384	ug/l	98
42) 1,2-Dichloroethane	8.40	62	803390	97.528	ug/l	100
43) Isopropyl Acetate	8.42	43	962523	110.720	ug/l	99
44) Trichloroethene	9.09	130	560196	97.333	ug/l	100
45) 1,2-Dichloropropane	9.37	63	711571	97.722	ug/l	100
46) Dibromomethane	9.46	93	312592	98.728	ug/l	99
47) Bromodichloromethane	9.64	83	840088	99.382	ug/l	99
48) Methyl methacrylate	9.43	41	461797	115.100	ug/l	98
49) 1,4-Dioxane	9.44	88	99161	2045.591	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	2560666	533.282	ug/l	99
52) Toluene	10.38	92	1564728	100.738	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	886307	106.577	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	1050271	103.674	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	438464	101.065	ug/l	98
56) Ethyl methacrylate	10.64	69	664833	118.763	ug/l	97
57) 1,3-Dichloropropane	10.93	76	848664	102.748	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	1848923	562.910	ug/l	100
59) 2-Hexanone	10.96	43	1763033	587.825	ug/l	99
60) Dibromochloromethane	11.13	129	458437	102.312	ug/l	99
61) 1,2-Dibromoethane	11.23	107	397251	103.285	ug/l	99
64) Tetrachloroethene	10.86	164	421915	96.658	ug/l	98
65) Chlorobenzene	11.65	112	1481811	97.603	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	504204	99.731	ug/l	100
67) Ethyl Benzene	11.73	91	3076990	104.152	ug/l	99
68) m/p-Xylenes	11.84	106	2159598	206.778	ug/l	99
69) o-Xylene	12.16	106	997316	106.007	ug/l	99
70) Styrene	12.18	104	1739888	107.931	ug/l	99
71) Bromoform	12.35	173	236902	105.589	ug/l	98
73) Isopropylbenzene	12.46	105	2828678	105.571	ug/l	100
74) N-amyl acetate	12.27	43	931754	117.668	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	557236	102.417	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	429747m	66.110	ug/l	
77) Bromobenzene	12.74	156	537838	101.557	ug/l	99
78) n-propylbenzene	12.80	91	3629056	104.219	ug/l	100
79) 2-Chlorotoluene	12.89	91	1996256	101.965	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	2373861	103.041	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	194940	111.068	ug/l	98
82) 4-Chlorotoluene	12.99	91	2091859	100.332	ug/l	100
83) tert-Butylbenzene	13.20	119	1982651	106.231	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	2399698	104.173	ug/l	99
85) sec-Butylbenzene	13.38	105	2947686	104.359	ug/l	100
86) p-Isopropyltoluene	13.49	119	2548812	104.979	ug/l	99
87) 1,3-Dichlorobenzene	13.49	146	1105759	98.543	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	1060398	95.973	ug/l	99
89) n-Butylbenzene	13.82	91	2781434	106.227	ug/l	99
90) Hexachloroethane	14.09	117	483404	99.277	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	966448	98.340	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	94041	107.635	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	609867	108.443	ug/l	99
94) Hexachlorobutadiene	15.23	225	344773	97.644	ug/l	97
95) Naphthalene	15.36	128	1300984	123.891	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	535592	107.374	ug/l	98

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

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