

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070819\
 Data File : VW011160.D
 Acq On : 08 Jul 2019 12:55
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 7/9/2019 4:13:01 PM

Quant Time: Jul 09 06:04:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 09 05:44:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	235307	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	391368	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	354563	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	167818	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	424248	143.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	286.98%	
35) Dibromofluoromethane	7.88	113	335138	143.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	287.34%	
50) Toluene-d8	10.32	98	1367179	144.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	289.98%	
62) 4-Bromofluorobenzene	12.62	95	501752	145.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	290.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	244266	139.188	ug/l	99
3) Chloromethane	2.21	50	333981	147.692	ug/l	97
4) Vinyl Chloride	2.36	62	401623	135.694	ug/l	97
5) Bromomethane	2.76	94	203807	137.035	ug/l	97
6) Chloroethane	2.91	64	229876	144.196	ug/l	98
7) Trichlorofluoromethane	3.24	101	161511	153.607	ug/l	99
8) Diethyl Ether	3.67	74	220408	151.499	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	353551	140.379	ug/l	100
10) Methyl Iodide	4.27	142	514270	148.464	ug/l	99
11) Tert butyl alcohol	5.17	59	159983	730.830	ug/l	97
12) 1,1-Dichloroethene	4.04	96	381089	145.786	ug/l	96
13) Acrolein	3.89	56	137559	789.149	ug/l	99
14) Allyl chloride	4.66	41	684423	143.582	ug/l	98
15) Acrylonitrile	5.36	53	554663	748.595	ug/l	100
16) Acetone	4.12	43	508136	714.255	ug/l	100
17) Carbon Disulfide	4.38	76	1162856	146.735	ug/l	99
18) Methyl Acetate	4.66	43	299372	134.560	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	568448	143.318	ug/l	99
20) Methylene Chloride	4.91	84	397457	141.620	ug/l	98
21) trans-1,2-Dichloroethene	5.41	96	400363	147.398	ug/l	97
22) Diisopropyl ether	6.31	45	1502552	146.555	ug/l	96
23) Vinyl Acetate	6.25	43	5054554	796.625	ug/l	99
24) 1,1-Dichloroethane	6.21	63	800509	148.691	ug/l	99
25) 2-Butanone	7.16	43	855389	765.968	ug/l	99
26) 2,2-Dichloropropane	7.16	77	387393	138.428	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	437974	149.478	ug/l	99
28) Bromochloromethane	7.51	49	346395	141.503	ug/l #	100
29) Tetrahydrofuran	7.52	42	559422	763.968	ug/l	100
30) Chloroform	7.67	83	718984	144.205	ug/l	98
31) Cyclohexane	7.95	56	780039	136.192	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	546931	144.205	ug/l	100
36) 1,1-Dichloropropene	8.08	75	598393	143.579	ug/l	100
37) Ethyl Acetate	7.25	43	366451	146.342	ug/l	100
38) Carbon Tetrachloride	8.06	117	520279	147.260	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	730328	144.578	ug/l	99
40) Benzene	8.32	78	1658146	143.962	ug/l	99
41) Methacrylonitrile	7.48	41	214900	150.053	ug/l	98
42) 1,2-Dichloroethane	8.40	62	542204	145.116	ug/l	100
43) Isopropyl Acetate	8.42	43	728880	154.174	ug/l	99
44) Trichloroethene	9.09	130	406530	146.672	ug/l	100
45) 1,2-Dichloropropane	9.37	63	462406	148.254	ug/l	99
46) Dibromomethane	9.46	93	217465	148.425	ug/l	99
47) Bromodichloromethane	9.64	83	569024	151.786	ug/l	100
48) Methyl methacrylate	9.43	41	364620	160.311	ug/l	100
49) 1,4-Dioxane	9.45	88	72140	2949.785	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	1898571	768.778	ug/l	100
52) Toluene	10.38	92	1029457	147.341	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	628333	157.461	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	722906	153.911	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	305985	147.210	ug/l	98
56) Ethyl methacrylate	10.65	69	505763	159.821	ug/l	99
57) 1,3-Dichloropropane	10.93	76	588247	149.661	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	1182579	806.073	ug/l	99
59) 2-Hexanone	10.97	43	1334312	779.085	ug/l	99
60) Dibromochloromethane	11.13	129	359451	157.704	ug/l	99
61) 1,2-Dibromoethane	11.23	107	298037	151.375	ug/l	100
64) Tetrachloroethene	10.86	164	335269	140.132	ug/l	98
65) Chlorobenzene	11.66	112	1043056	144.694	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	377112	148.576	ug/l	99
67) Ethyl Benzene	11.73	91	2014373	145.969	ug/l	99
68) m/p-Xylenes	11.84	106	1451043	290.592	ug/l	99
69) o-Xylene	12.16	106	689897	146.588	ug/l	100
70) Styrene	12.18	104	1214290	149.500	ug/l	100
71) Bromoform	12.35	173	209604	155.319	ug/l #	99
73) Isopropylbenzene	12.46	105	1858457	148.143	ug/l	99
74) N-amyl acetate	12.27	43	686080	157.030	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	382683	148.814	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	269589m	138.634	ug/l	
77) Bromobenzene	12.75	156	419391	148.967	ug/l	99
78) n-propylbenzene	12.80	91	2255646	145.962	ug/l	99
79) 2-Chlorotoluene	12.89	91	1303871	146.620	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1558813	146.262	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	138472	161.496	ug/l	96
82) 4-Chlorotoluene	12.99	91	1346152	145.334	ug/l	100
83) tert-Butylbenzene	13.21	119	1300664	146.333	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	1560616	145.831	ug/l	100
85) sec-Butylbenzene	13.38	105	1846384	143.962	ug/l	99
86) p-Isopropyltoluene	13.50	119	1661977	144.477	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	784506	144.832	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	775564	142.188	ug/l	99
89) n-Butylbenzene	13.82	91	1659737	144.632	ug/l	99
90) Hexachloroethane	14.10	117	313241	149.014	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	697978	142.036	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	67341	147.634	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	501494	148.165	ug/l	97
94) Hexachlorobutadiene	15.24	225	284820	137.065	ug/l	99
95) Naphthalene	15.37	128	1025342	158.085	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	444703	148.870	ug/l	99

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

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