

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030920\
 Data File : VW015094.D
 Acq On : 09 Mar 2020 11:28
 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
 3/11/2020 3:23:56 PM

Quant Time: Mar 09 18:43:48 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	7.95	168	442786	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	799194	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	721450	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	333472	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	125930	19.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.68%	
35) Dibromofluoromethane	7.88	113	95821	20.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.06%	
50) Toluene-d8	10.32	98	399733	19.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.90%	
62) 4-Bromofluorobenzene	12.62	95	129450	19.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	57736	21.504	ug/l	96
3) Chloromethane	2.21	50	118589	20.582	ug/l	99
4) Vinyl Chloride	2.36	62	159506	21.146	ug/l	98
5) Bromomethane	2.76	94	89300	20.711	ug/l	100
6) Chloroethane	2.92	64	89893	20.575	ug/l	96
7) Trichlorofluoromethane	3.26	101	76306	20.215	ug/l	99
8) Diethyl Ether	3.68	74	56699	19.713	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	118757	20.638	ug/l	99
10) Methyl Iodide	4.27	142	130560	20.395	ug/l	100
11) Tert butyl alcohol	5.17	59	34147	91.260	ug/l	99
12) 1,1-Dichloroethene	4.04	96	115498	20.530	ug/l	95
13) Acrolein	3.89	56	55117	100.721	ug/l	96
14) Allyl chloride	4.67	41	225496	20.001	ug/l	99
15) Acrylonitrile	5.36	53	144258	97.847	ug/l	98
16) Acetone	4.12	43	138868	93.526	ug/l	100
17) Carbon Disulfide	4.38	76	411538	20.632	ug/l	99
18) Methyl Acetate	4.67	43	71978	20.450	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	143900	19.981	ug/l	99
20) Methylene Chloride	4.92	84	136833	19.906	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	120308	20.141	ug/l	98
22) Diisopropyl ether	6.31	45	454036	20.988	ug/l	98
23) Vinyl Acetate	6.25	43	1263223	98.919	ug/l	99
24) 1,1-Dichloroethane	6.21	63	256491	20.332	ug/l	98
25) 2-Butanone	7.17	43	191613	94.135	ug/l	97
26) 2,2-Dichloropropane	7.16	77	144923	20.086	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	125523	20.185	ug/l	98
28) Bromochloromethane	7.51	49	116499	19.273	ug/l	100
29) Tetrahydrofuran	7.52	42	123921	97.330	ug/l	99
30) Chloroform	7.68	83	229953	20.541	ug/l	99
31) Cyclohexane	7.95	56	261417	20.148	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	178568	20.428	ug/l	99
36) 1,1-Dichloropropene	8.08	75	196505	21.202	ug/l	99
37) Ethyl Acetate	7.25	43	91911	19.898	ug/l	99
38) Carbon Tetrachloride	8.07	117	155983	20.674	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	215659	20.350	ug/l	97
40) Benzene	8.32	78	541160	21.011	ug/l	100
41) Methacrylonitrile	7.48	41	50438	20.647	ug/l	94
42) 1,2-Dichloroethane	8.40	62	162701	20.734	ug/l	100
43) Isopropyl Acetate	8.42	43	162416	19.613	ug/l	98
44) Trichloroethene	9.09	130	112593	20.537	ug/l	99
45) 1,2-Dichloropropane	9.37	63	144568	20.842	ug/l	99
46) Dibromomethane	9.46	93	63159	20.941	ug/l	99
47) Bromodichloromethane	9.64	83	166448	20.671	ug/l	99
48) Methyl methacrylate	9.43	41	72604	18.997	ug/l	97
49) 1,4-Dioxane	9.45	88	18631	403.469	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	438158	95.792	ug/l	99
52) Toluene	10.38	92	308402	20.843	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	160300	20.235	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	196350	20.347	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	84096	20.349	ug/l	99
56) Ethyl methacrylate	10.65	69	102450	19.212	ug/l	99
57) 1,3-Dichloropropane	10.93	76	160171	20.357	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	312314	99.818	ug/l	100
59) 2-Hexanone	10.96	43	278279	97.401	ug/l	97
60) Dibromochloromethane	11.13	129	86472	20.259	ug/l	99
61) 1,2-Dibromoethane	11.23	107	74274	20.272	ug/l	100
64) Tetrachloroethene	10.86	164	85059	20.430	ug/l	94
65) Chlorobenzene	11.66	112	298724	20.629	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	96354	19.982	ug/l	97
67) Ethyl Benzene	11.73	91	573398	20.349	ug/l	99
68) m/p-Xylenes	11.83	106	417949	41.956	ug/l	99
69) o-Xylene	12.16	106	183881	20.492	ug/l	100
70) Styrene	12.18	104	317294	20.636	ug/l	99
71) Bromoform	12.35	173	41293	19.296	ug/l #	94
73) Isopropylbenzene	12.46	105	516946	20.294	ug/l	99
74) N-amyl acetate	12.27	43	141980	18.860	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	101817	19.684	ug/l	98
76) 1,2,3-Trichloropropane	12.76	75	81166m	13.133	ug/l	
77) Bromobenzene	12.74	156	101334	20.126	ug/l	98
78) n-propylbenzene	12.80	91	684911	20.689	ug/l	100
79) 2-Chlorotoluene	12.89	91	380844	20.461	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	453747	20.717	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	31754	19.030	ug/l	96
82) 4-Chlorotoluene	12.99	91	408954	20.632	ug/l	100
83) tert-Butylbenzene	13.20	119	355759	20.050	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	458611	20.941	ug/l	98
85) sec-Butylbenzene	13.38	105	551564	20.540	ug/l	100
86) p-Isopropyltoluene	13.49	119	473049	20.494	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	218805	20.511	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	215703	20.535	ug/l	98
89) n-Butylbenzene	13.82	91	501058	20.128	ug/l	100
90) Hexachloroethane	14.09	117	90295	19.505	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	189508	20.283	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	16228	19.537	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	109266	20.436	ug/l	97
94) Hexachlorobutadiene	15.23	225	69445	20.687	ug/l	97
95) Naphthalene	15.36	128	186221	18.653	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	99011	20.879	ug/l	98

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

