

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030920\
 Data File : VW015092.D
 Acq On : 09 Mar 2020 10:36
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:23:53 PM

Quant Time: Mar 09 18:40:49 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	431987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	819465	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	718675	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	317610	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	34792	5.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.96%	
35) Dibromofluoromethane	7.88	113	26312	5.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.72%	
50) Toluene-d8	10.32	98	101389	4.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.86%	
62) 4-Bromofluorobenzene	12.62	95	31006	4.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	12273	4.685	ug/l	93
3) Chloromethane	2.21	50	33044	5.879	ug/l	97
4) Vinyl Chloride	2.36	62	40849	5.551	ug/l	99
5) Bromomethane	2.78	94	22879	5.439	ug/l	99
6) Chloroethane	2.92	64	22538	5.288	ug/l	93
7) Trichlorofluoromethane	3.26	101	19059	5.175	ug/l	97
8) Diethyl Ether	3.68	74	13857	4.938	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	31542	5.619	ug/l	96
10) Methyl Iodide	4.26	142	32214	5.158	ug/l	99
11) Tert butyl alcohol	5.16	59	11171	30.602	ug/l	94
12) 1,1-Dichloroethene	4.04	96	27684	5.044	ug/l	88
13) Acrolein	3.89	56	14764	27.654	ug/l	92
14) Allyl chloride	4.67	41	53939	4.904	ug/l	98
15) Acrylonitrile	5.37	53	34496	23.983	ug/l	98
16) Acetone	4.12	43	38611	26.654	ug/l	95
17) Carbon Disulfide	4.38	76	102460	5.265	ug/l #	95
18) Methyl Acetate	4.68	43	16786	4.888	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	32709	4.655	ug/l	92
20) Methylene Chloride	4.92	84	43163	6.436	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	30701	5.268	ug/l	91
22) Diisopropyl ether	6.31	45	94369	4.471	ug/l #	86
23) Vinyl Acetate	6.26	43	257350	20.656	ug/l	99
24) 1,1-Dichloroethane	6.21	63	64944	5.277	ug/l	99
25) 2-Butanone	7.18	43	45740	23.033	ug/l	98
26) 2,2-Dichloropropane	7.16	77	41361	5.876	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	30517	5.030	ug/l	92
28) Bromochloromethane	7.51	49	31176	5.287	ug/l	96
29) Tetrahydrofuran	7.53	42	25267	20.341	ug/l	99
30) Chloroform	7.67	83	59038	5.405	ug/l	99
31) Cyclohexane	7.95	56	71231	5.627	ug/l #	80
32) 1,1,1-Trichloroethane	7.87	97	45721	5.361	ug/l	99
36) 1,1-Dichloropropene	8.08	75	46450	4.888	ug/l	97
37) Ethyl Acetate	7.26	43	22862	4.827	ug/l	99
38) Carbon Tetrachloride	8.07	117	40507	5.236	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	49494	4.555	ug/l	96
40) Benzene	8.32	78	134592	5.096	ug/l	99
41) Methacrylonitrile	7.48	41	10569	4.219	ug/l	96
42) 1,2-Dichloroethane	8.40	62	41334	5.137	ug/l	97
43) Isopropyl Acetate	8.42	43	36882	4.344	ug/l	95
44) Trichloroethene	9.09	130	29038	5.165	ug/l	99
45) 1,2-Dichloropropane	9.37	63	35712	5.021	ug/l	99
46) Dibromomethane	9.46	93	15441	4.993	ug/l	98
47) Bromodichloromethane	9.64	83	41439	5.019	ug/l	100
48) Methyl methacrylate	9.44	41	15229	3.886	ug/l	93
49) 1,4-Dioxane	9.45	88	4389	92.696	ug/l #	88
51) 4-Methyl-2-Pentanone	10.21	43	118394	25.244	ug/l	95
52) Toluene	10.38	92	72549	4.782	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	35757	4.402	ug/l #	87
54) cis-1,3-Dichloropropene	10.07	75	46282	4.677	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	21273	5.020	ug/l	97
56) Ethyl methacrylate	10.65	69	20494	3.748	ug/l	97
57) 1,3-Dichloropropane	10.93	76	39154	4.853	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.92	63	65584	20.443	ug/l	99
59) 2-Hexanone	10.96	43	56046	19.132	ug/l	93
60) Dibromochloromethane	11.13	129	20796	4.752	ug/l	99
61) 1,2-Dibromoethane	11.23	107	18056	4.806	ug/l	98
64) Tetrachloroethene	10.86	164	22305	5.378	ug/l	93
65) Chlorobenzene	11.65	112	74568	5.169	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	24234	5.045	ug/l	97
67) Ethyl Benzene	11.73	91	128703	4.585	ug/l	98
68) m/p-Xylenes	11.84	106	88351	8.903	ug/l	100
69) o-Xylene	12.16	106	38438	4.300	ug/l	99
70) Styrene	12.18	104	63505	4.146	ug/l	99
71) Bromoform	12.35	173	9779	4.587	ug/l #	96
73) Isopropylbenzene	12.46	105	107858	4.446	ug/l	99
74) N-amyl acetate	12.27	43	28083	3.917	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	24975	5.069	ug/l	97
76) 1,2,3-Trichloropropane	12.76	75	16077m	2.731	ug/l	
77) Bromobenzene	12.74	156	24210	5.049	ug/l	97
78) n-propylbenzene	12.80	91	139027	4.409	ug/l	100
79) 2-Chlorotoluene	12.89	91	83131	4.689	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	92530	4.436	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	7078	4.454	ug/l	95
82) 4-Chlorotoluene	12.99	91	89151	4.722	ug/l	100
83) tert-Butylbenzene	13.21	119	73930	4.375	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	89914	4.311	ug/l	98
85) sec-Butylbenzene	13.38	105	112411	4.395	ug/l	98
86) p-Isopropyltoluene	13.49	119	94264	4.288	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	51189	5.038	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	51157	5.113	ug/l	93
89) n-Butylbenzene	13.82	91	102107	4.307	ug/l	98
90) Hexachloroethane	14.09	117	22466	5.095	ug/l	99
91) 1,2-Dichlorobenzene	13.86	146	44493	5.000	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	3811	4.817	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	20314	3.989	ug/l	99
94) Hexachlorobutadiene	15.23	225	16144	5.049	ug/l	96
95) Naphthalene	15.36	128	30383	3.195	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	17973	3.979	ug/l	99

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

