

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052019\
 Data File : VW010448.D
 Acq On : 20 May 2019 15:10
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 5/21/2019 11:28:29 AM

Quant Time: May 21 06:33:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:23:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	139212	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	239732	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	208717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	98328	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	6777	4.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.04%	
35) Dibromofluoromethane	7.88	113	6778	4.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.22%	
50) Toluene-d8	10.32	98	25007	4.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.10%	
62) 4-Bromofluorobenzene	12.62	95	11590	5.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	9059	7.598	ug/l	95
3) Chloromethane	2.21	50	8466	5.262	ug/l	93
4) Vinyl Chloride	2.36	62	9615	5.669	ug/l	100
5) Bromomethane	2.75	94	6693	6.749	ug/l	97
6) Chloroethane	2.91	64	5943	5.599	ug/l	96
7) Trichlorofluoromethane	3.26	101	13433	5.693	ug/l	94
8) Diethyl Ether	3.68	74	4061	4.928	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	8091	5.421	ug/l	98
10) Methyl Iodide	4.27	142	8527	5.044	ug/l	100
11) Tert butyl alcohol	5.17	59	3504	25.869	ug/l #	94
12) 1,1-Dichloroethene	4.03	96	7737	5.468	ug/l	91
13) Acrolein	3.89	56	3002	29.606	ug/l	90
14) Allyl chloride	4.67	41	10920	5.040	ug/l	95
15) Acrylonitrile	5.37	53	8720	25.046	ug/l	99
16) Acetone	4.12	43	8274	29.936	ug/l	95
17) Carbon Disulfide	4.37	76	22860	5.571	ug/l	99
18) Methyl Acetate	4.67	43	4013	4.867	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	18801	4.746	ug/l	94
20) Methylene Chloride	4.92	84	15988	9.573	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	8874	5.394	ug/l	91
22) Diisopropyl ether	6.31	45	21478	4.685	ug/l	96
23) Vinyl Acetate	6.26	43	62115	21.915	ug/l	96
24) 1,1-Dichloroethane	6.22	63	12791	4.776	ug/l	98
25) 2-Butanone	7.17	43	10764	23.900	ug/l	95
26) 2,2-Dichloropropane	7.17	77	13223	5.421	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	9219	5.030	ug/l	99
28) Bromochloromethane	7.51	49	3689	3.745	ug/l #	99
29) Tetrahydrofuran	7.53	42	7855	25.775	ug/l	94
30) Chloroform	7.68	83	13885	4.925	ug/l	95
31) Cyclohexane	7.95	56	16059	5.937	ug/l #	71
32) 1,1,1-Trichloroethane	7.87	97	13776	5.172	ug/l	99
36) 1,1-Dichloropropene	8.09	75	11693	5.416	ug/l	99
37) Ethyl Acetate	7.26	43	5104	5.057	ug/l	96
38) Carbon Tetrachloride	8.07	117	12330	5.291	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	15273	5.281	ug/l	94
40) Benzene	8.32	78	30985	5.044	ug/l	99
41) Methacrylonitrile	7.48	41	3038	5.167	ug/l	99
42) 1,2-Dichloroethane	8.40	62	8960	4.948	ug/l	100
43) Isopropyl Acetate	8.43	43	9806	4.799	ug/l	98
44) Trichloroethene	9.09	130	9256	5.240	ug/l	96
45) 1,2-Dichloropropane	9.37	63	7342	4.924	ug/l	98
46) Dibromomethane	9.46	93	4267	4.863	ug/l	96
47) Bromodichloromethane	9.65	83	10537	4.811	ug/l #	94
48) Methyl methacrylate	9.44	41	4243	4.493	ug/l	93
49) 1,4-Dioxane	9.45	88	1545	118.966	ug/l #	84
51) 4-Methyl-2-Pentanone	10.21	43	24862	23.755	ug/l	99
52) Toluene	10.39	92	20979	5.142	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	10955	4.868	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	11940	4.666	ug/l	93
55) 1,1,2-Trichloroethane	10.79	97	6272	4.956	ug/l	98
56) Ethyl methacrylate	10.65	69	8616	4.875	ug/l	95
57) 1,3-Dichloropropane	10.93	76	10381	4.887	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	17357	21.089	ug/l	100
59) 2-Hexanone	10.97	43	17600	24.075	ug/l	98
60) Dibromochloromethane	11.13	129	7703	4.892	ug/l	96
61) 1,2-Dibromoethane	11.24	107	6313	4.912	ug/l	98
64) Tetrachloroethene	10.86	164	7427	5.322	ug/l	91
65) Chlorobenzene	11.66	112	22989	5.358	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	7852	4.964	ug/l	100
67) Ethyl Benzene	11.73	91	40636	5.362	ug/l	99
68) m/p-Xylenes	11.84	106	31446	10.595	ug/l	96
69) o-Xylene	12.16	106	14816	5.247	ug/l	99
70) Styrene	12.18	104	24441	5.035	ug/l	98
71) Bromoform	12.35	173	4137	4.706	ug/l #	97
73) Isopropylbenzene	12.46	105	40699	5.272	ug/l	100
74) N-amyl acetate	12.27	43	8947	4.629	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	7568	5.056	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	5324m	5.102	ug/l	
77) Bromobenzene	12.75	156	8800	5.059	ug/l	95
78) n-propylbenzene	12.80	91	48136	5.389	ug/l	98
79) 2-Chlorotoluene	12.90	91	27974	5.368	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	34276	5.229	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	2399	4.537	ug/l	91
82) 4-Chlorotoluene	12.99	91	28604	5.265	ug/l	98
83) tert-Butylbenzene	13.21	119	30464	5.480	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	33961	5.256	ug/l	99
85) sec-Butylbenzene	13.39	105	43217	5.527	ug/l	96
86) p-Isopropyltoluene	13.50	119	38419	5.426	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	17564	5.239	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	17398	5.200	ug/l	90
89) n-Butylbenzene	13.83	91	36596	5.425	ug/l	99
90) Hexachloroethane	14.10	117	6959	4.907	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	15828	5.213	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1352	4.843	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	10523	5.247	ug/l	98
94) Hexachlorobutadiene	15.24	225	5652	5.253	ug/l	96
95) Naphthalene	15.37	128	22050	4.935	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	8879	5.037	ug/l	98

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

