

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102319\
 Data File : VW013661.D
 Acq On : 23 Oct 2019 11:23
 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
 10/24/2019 1:27:44 PM

Quant Time: Oct 23 14:02:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 13:51:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	331826	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	474056	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	410625	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	207769	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	12560	4.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.70%	
35) Dibromofluoromethane	7.88	113	13595	5.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.16%	
50) Toluene-d8	10.32	98	51852	4.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.24%	
62) 4-Bromofluorobenzene	12.62	95	18606	4.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.88%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.01	85	8731	7.497	ug/l	94
3) Chloromethane	2.21	50	9956	5.251	ug/l	90
4) Vinyl Chloride	2.37	62	14072	4.975	ug/l	99
5) Bromomethane	2.79	94	10113	5.913	ug/l	97
6) Chloroethane	2.92	64	8602	5.327	ug/l	98
7) Trichlorofluoromethane	3.26	101	8435	6.071	ug/l #	76
8) Diethyl Ether	3.68	74	7309	5.206	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.08	101	15053	5.397	ug/l	96
10) Methyl Iodide	4.29	142	23763	5.344	ug/l	98
11) Tert butyl alcohol	5.20	59	3799	18.238	ug/l #	83
12) 1,1-Dichloroethene	4.05	96	15123	5.222	ug/l	92
13) Acrolein	3.90	56	4509	22.636	ug/l	100
14) Allyl chloride	4.67	41	23000	5.165	ug/l	98
15) Acrylonitrile	5.37	53	14743	22.942	ug/l	98
16) Acetone	4.14	43	13284	22.548	ug/l	93
17) Carbon Disulfide	4.39	76	41578	5.097	ug/l	95
18) Methyl Acetate	4.69	43	7608	4.528	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	18493	4.368	ug/l	95
20) Methylene Chloride	4.92	84	21939	6.657	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	16604	5.379	ug/l	97
22) Diisopropyl ether	6.31	45	42261	5.078	ug/l	98
23) Vinyl Acetate	6.26	43	114040	22.945	ug/l	100
24) 1,1-Dichloroethane	6.21	63	26762	5.226	ug/l	97
25) 2-Butanone	7.18	43	19384	22.425	ug/l	97
26) 2,2-Dichloropropane	7.17	77	17701	5.484	ug/l	95
27) cis-1,2-Dichloroethene	7.17	96	17124	5.235	ug/l	91
28) Bromochloromethane	7.51	49	9043	4.948	ug/l	99
29) Tetrahydrofuran	7.53	42	11386	21.577	ug/l	98
30) Chloroform	7.68	83	27893	5.638	ug/l	84
31) Cyclohexane	7.95	56	31938	5.918	ug/l #	80
32) 1,1,1-Trichloroethane	7.88	97	20688	5.169	ug/l	98
36) 1,1-Dichloropropene	8.08	75	22305	5.173	ug/l	98
37) Ethyl Acetate	7.25	43	8572	4.495	ug/l #	86
38) Carbon Tetrachloride	8.07	117	20084	5.266	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	28336	5.070	ug/l	96
40) Benzene	8.32	78	63464	5.261	ug/l	95
41) Methacrylonitrile	7.48	41	5411	4.961	ug/l	89
42) 1,2-Dichloroethane	8.40	62	15884	5.207	ug/l	97
43) Isopropyl Acetate	8.42	43	16168	4.650	ug/l	100
44) Trichloroethene	9.09	130	18403	5.346	ug/l	98
45) 1,2-Dichloropropane	9.37	63	14715	5.077	ug/l	98
46) Dibromomethane	9.46	93	7153	4.970	ug/l	100
47) Bromodichloromethane	9.65	83	18865	5.247	ug/l	90
48) Methyl methacrylate	9.44	41	6918	4.016	ug/l	93
49) 1,4-Dioxane	9.46	88	2201	89.858	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	40117	22.104	ug/l	100
52) Toluene	10.39	92	41241	5.305	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	18273	4.904	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	22261	4.917	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	11410	5.297	ug/l	98
56) Ethyl methacrylate	10.65	69	12008	4.192	ug/l	92
57) 1,3-Dichloropropane	10.93	76	19021	5.136	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	29938	22.226	ug/l	100
59) 2-Hexanone	10.97	43	26502	21.346	ug/l	99
60) Dibromochloromethane	11.13	129	12256	4.944	ug/l	100
61) 1,2-Dibromoethane	11.24	107	10155	4.953	ug/l	99
64) Tetrachloroethene	10.86	164	15549	5.111	ug/l	96
65) Chlorobenzene	11.66	112	43162	5.261	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	14498	5.075	ug/l	99
67) Ethyl Benzene	11.73	91	75522	5.031	ug/l	98
68) m/p-Xylenes	11.84	106	58181	10.189	ug/l	97
69) o-Xylene	12.16	106	26017	4.923	ug/l	100
70) Styrene	12.18	104	44212	4.875	ug/l	100
71) Bromoform	12.35	173	7561	4.866	ug/l #	92
73) Isopropylbenzene	12.46	105	73550	4.932	ug/l	100
74) N-amyl acetate	12.27	43	13380	4.179	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	12238	4.873	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	8088m	4.738	ug/l	
77) Bromobenzene	12.74	156	17951	5.062	ug/l	99
78) n-propylbenzene	12.80	91	82467	4.780	ug/l	97
79) 2-Chlorotoluene	12.89	91	48770	5.037	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	61473	4.937	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	3805	4.542	ug/l	99
82) 4-Chlorotoluene	12.99	91	50646	5.028	ug/l	99
83) tert-Butylbenzene	13.21	119	55212	4.994	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	60832	4.940	ug/l	98
85) sec-Butylbenzene	13.38	105	75668	4.972	ug/l	100
86) p-Isopropyltoluene	13.50	119	70845	5.054	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	35252	5.229	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	35810	5.420	ug/l	95
89) n-Butylbenzene	13.82	91	62045	4.902	ug/l	99
90) Hexachloroethane	14.09	117	12612	5.223	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	30467	5.135	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1769	4.446	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	20516	4.868	ug/l	97
94) Hexachlorobutadiene	15.24	225	15080	5.386	ug/l	98
95) Naphthalene	15.36	128	28724	3.984	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	18074	4.901	ug/l	98

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

