

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102319\
 Data File : VW013663.D
 Acq On : 23 Oct 2019 12:16
 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
 10/24/2019 1:26:41 PM

Quant Time: Oct 23 14:05:01 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	355930	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	502472	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	427342	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	218816	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	49084	17.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.34%	
35) Dibromofluoromethane	7.88	113	50535	17.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.62%	
50) Toluene-d8	10.32	98	211295	17.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.52%	
62) 4-Bromofluorobenzene	12.62	95	71433	17.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.76%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	44027	35.243	ug/l	94
3) Chloromethane	2.21	50	42244	20.773	ug/l	100
4) Vinyl Chloride	2.37	62	66794	22.014	ug/l	95
5) Bromomethane	2.78	94	41581	22.667	ug/l	96
6) Chloroethane	2.92	64	38066	21.977	ug/l	97
7) Trichlorofluoromethane	3.26	101	40249	27.007	ug/l	99
8) Diethyl Ether	3.68	74	30393	20.181	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.07	101	64346	21.506	ug/l	98
10) Methyl Iodide	4.28	142	103120	21.622	ug/l	99
11) Tert butyl alcohol	5.21	59	16852	75.424	ug/l	98
12) 1,1-Dichloroethene	4.04	96	65143	20.970	ug/l	96
13) Acrolein	3.89	56	17014	79.628	ug/l	94
14) Allyl chloride	4.67	41	99466	20.824	ug/l	99
15) Acrylonitrile	5.37	53	62575	90.780	ug/l	99
16) Acetone	4.14	43	49701	78.648	ug/l	93
17) Carbon Disulfide	4.39	76	192836	22.037	ug/l	100
18) Methyl Acetate	4.68	43	31196	17.311	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	76852	16.922	ug/l	96
20) Methylene Chloride	4.92	84	70307	19.887	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	68995	20.838	ug/l	94
22) Diisopropyl ether	6.31	45	180158	20.181	ug/l	95
23) Vinyl Acetate	6.25	43	525801	98.626	ug/l	99
24) 1,1-Dichloroethane	6.22	63	114598	20.864	ug/l	98
25) 2-Butanone	7.18	43	79154	85.370	ug/l	97
26) 2,2-Dichloropropane	7.17	77	66484	19.204	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	74028	21.098	ug/l	99
28) Bromochloromethane	7.51	49	29475	15.034	ug/l #	98
29) Tetrahydrofuran	7.53	42	51999	91.867	ug/l	99
30) Chloroform	7.67	83	112805	21.258	ug/l	96
31) Cyclohexane	7.96	56	120558	20.825	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	91165	21.236	ug/l	97
36) 1,1-Dichloropropene	8.08	75	97004	21.226	ug/l	99
37) Ethyl Acetate	7.25	43	37253	18.431	ug/l	99
38) Carbon Tetrachloride	8.07	117	86393	21.369	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	123885	20.910	ug/l	92
40) Benzene	8.32	78	271443	21.231	ug/l	98
41) Methacrylonitrile	7.49	41	21018	18.181	ug/l	97
42) 1,2-Dichloroethane	8.40	62	67769	20.960	ug/l	99
43) Isopropyl Acetate	8.42	43	69539	18.869	ug/l	99
44) Trichloroethene	9.09	130	77199	21.160	ug/l	99
45) 1,2-Dichloropropane	9.37	63	64286	20.925	ug/l	99
46) Dibromomethane	9.46	93	30528	20.012	ug/l	98
47) Bromodichloromethane	9.64	83	78489	20.594	ug/l	99
48) Methyl methacrylate	9.43	41	35486	19.434	ug/l	97
49) 1,4-Dioxane	9.47	88	9716	374.234	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	172199	89.514	ug/l	99
52) Toluene	10.38	92	173670	21.078	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	79340	20.090	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	99508	20.734	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	45370	19.872	ug/l	96
56) Ethyl methacrylate	10.65	69	58016	19.108	ug/l	99
57) 1,3-Dichloropropane	10.93	76	79592	20.274	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	121846	85.344	ug/l	98
59) 2-Hexanone	10.97	43	116194	88.294	ug/l	99
60) Dibromochloromethane	11.13	129	53900	20.512	ug/l	99
61) 1,2-Dibromoethane	11.24	107	44000	20.247	ug/l	98
64) Tetrachloroethene	10.86	164	67773	21.404	ug/l	94
65) Chlorobenzene	11.66	112	178679	20.927	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	62759	21.109	ug/l	98
67) Ethyl Benzene	11.73	91	326753	20.917	ug/l	98
68) m/p-Xylenes	11.84	106	257107	43.266	ug/l	96
69) o-Xylene	12.16	106	117358	21.336	ug/l	97
70) Styrene	12.18	104	197464	20.921	ug/l	99
71) Bromoform	12.35	173	32139	19.873	ug/l #	99
73) Isopropylbenzene	12.46	105	324021	20.631	ug/l	99
74) N-amyl acetate	12.27	43	62675	18.585	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	50262	19.002	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	31829m	17.705	ug/l	
77) Bromobenzene	12.75	156	76093	20.374	ug/l	99
78) n-propylbenzene	12.80	91	380460	20.940	ug/l	99
79) 2-Chlorotoluene	12.89	91	208116	20.408	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	273201	20.834	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	16741	18.977	ug/l	98
82) 4-Chlorotoluene	12.99	91	219107	20.653	ug/l	99
83) tert-Butylbenzene	13.21	119	243752	20.933	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	271959	20.970	ug/l	100
85) sec-Butylbenzene	13.38	105	332862	20.767	ug/l	100
86) p-Isopropyltoluene	13.50	119	310519	21.033	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	149529	21.061	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	149876	21.540	ug/l	99
89) n-Butylbenzene	13.82	91	282453	21.187	ug/l	100
90) Hexachloroethane	14.09	117	51864	20.394	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	129645	20.747	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7750	18.494	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	92925	20.934	ug/l	98
94) Hexachlorobutadiene	15.23	225	64476	21.865	ug/l	98
95) Naphthalene	15.36	128	148221	19.522	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	80413	20.705	ug/l	99

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

