

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012420\
 Data File : VW014736.D
 Acq On : 24 Jan 2020 10:07
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 1/27/2020 12:04:33 PM

Quant Time: Jan 24 12:47:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012420S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 24 12:36:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	662200	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1049532	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	903259	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	439383	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	33748	5.72	ug/l	0.00
Spiked Amount			Recovery	=	11.44%	
35) Dibromofluoromethane	7.88	113	30975	5.12	ug/l	0.00
Spiked Amount			Recovery	=	10.24%	
50) Toluene-d8	10.32	98	123232	4.87	ug/l	0.00
Spiked Amount			Recovery	=	9.74%	
62) 4-Bromofluorobenzene	12.62	95	38919	4.54	ug/l	0.00
Spiked Amount			Recovery	=	9.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	16708	4.269	ug/l	94
3) Chloromethane	2.21	50	35310	7.335	ug/l	96
4) Vinyl Chloride	2.35	62	48609	6.819	ug/l	99
5) Bromomethane	2.78	94	28910	6.687	ug/l	92
6) Chloroethane	2.92	64	27184	6.730	ug/l	95
7) Trichlorofluoromethane	3.26	101	22474	6.351	ug/l	88
8) Diethyl Ether	3.68	74	16262	4.825	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	36511	5.720	ug/l	97
10) Methyl Iodide	4.26	142	47220	4.946	ug/l	99
11) Tert butyl alcohol	5.15	59	12780	25.966	ug/l	98
12) 1,1-Dichloroethene	4.04	96	34957	5.235	ug/l	95
13) Acrolein	3.89	56	12328	25.433	ug/l	92
14) Allyl chloride	4.66	41	56727	5.485	ug/l	99
15) Acrylonitrile	5.36	53	38038	24.983	ug/l	98
16) Acetone	4.12	43	49201	30.562	ug/l	98
17) Carbon Disulfide	4.38	76	113220	5.572	ug/l	99
18) Methyl Acetate	4.67	43	17509	4.561	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	41558	5.022	ug/l	93
20) Methylene Chloride	4.92	84	48349	6.291	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	37745	5.322	ug/l	97
22) Diisopropyl ether	6.30	45	99119	5.118	ug/l #	87
23) Vinyl Acetate	6.25	43	267071	23.148	ug/l	99
24) 1,1-Dichloroethane	6.21	63	68829	5.668	ug/l	99
25) 2-Butanone	7.17	43	51603	24.946	ug/l	100
26) 2,2-Dichloropropane	7.16	77	43248	6.427	ug/l	95
27) cis-1,2-Dichloroethene	7.16	96	36974	4.972	ug/l	92
28) Bromochloromethane	7.50	49	28088	5.956	ug/l	98
29) Tetrahydrofuran	7.53	42	30477	23.656	ug/l	96
30) Chloroform	7.67	83	63657	5.614	ug/l	95
31) Cyclohexane	7.95	56	75459	5.994	ug/l #	68
32) 1,1,1-Trichloroethane	7.86	97	51935	5.701	ug/l	98
36) 1,1-Dichloropropene	8.08	75	53574	5.217	ug/l	98
37) Ethyl Acetate	7.26	43	22151	4.878	ug/l	100
38) Carbon Tetrachloride	8.06	117	48776	5.480	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	60216	4.607	ug/l	91
40) Benzene	8.32	78	151659	5.224	ug/l	98
41) Methacrylonitrile	7.48	41	10745	4.217	ug/l	90
42) 1,2-Dichloroethane	8.39	62	40630	5.376	ug/l	98
43) Isopropyl Acetate	8.42	43	38142	4.591	ug/l	97
44) Trichloroethene	9.09	130	38584	4.954	ug/l	94
45) 1,2-Dichloropropane	9.37	63	36966	5.184	ug/l	94
46) Dibromomethane	9.46	93	17628	5.082	ug/l	97
47) Bromodichloromethane	9.64	83	44425	5.116	ug/l	99
48) Methyl methacrylate	9.43	41	16034	3.994	ug/l	96
49) 1,4-Dioxane	9.45	88	5731	90.206	ug/l #	83
51) 4-Methyl-2-Pentanone	10.21	43	97818	22.777	ug/l	97
52) Toluene	10.38	92	89135	4.909	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	41051	4.616	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	51079	4.680	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	24368	4.826	ug/l	93
56) Ethyl methacrylate	10.64	69	26029	3.987	ug/l	97
57) 1,3-Dichloropropane	10.93	76	42499	4.756	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	50741	25.341	ug/l	98
59) 2-Hexanone	10.97	43	61618	20.951	ug/l	96
60) Dibromochloromethane	11.13	129	27969	4.909	ug/l	96
61) 1,2-Dibromoethane	11.23	107	22111	4.640	ug/l	99
64) Tetrachloroethene	10.86	164	32111	4.923	ug/l	96
65) Chlorobenzene	11.65	112	93441	5.031	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	30967	4.953	ug/l	99
67) Ethyl Benzene	11.73	91	163787	4.875	ug/l	97
68) m/p-Xylenes	11.83	106	122430	9.543	ug/l	97
69) o-Xylene	12.16	106	53359	4.506	ug/l	99
70) Styrene	12.18	104	89169	4.458	ug/l	100
71) Bromoform	12.35	173	14336	4.278	ug/l #	99
73) Isopropylbenzene	12.46	105	148095	4.571	ug/l	98
74) N-amyl acetate	12.27	43	30807	4.249	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	28111	4.869	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	22457m	5.466	ug/l	
77) Bromobenzene	12.74	156	35123	4.666	ug/l	95
78) n-propylbenzene	12.80	91	181770	4.735	ug/l	100
79) 2-Chlorotoluene	12.89	91	106474	4.878	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	125255	4.582	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	7994	4.332	ug/l	93
82) 4-Chlorotoluene	12.99	91	111227	4.898	ug/l	99
83) tert-Butylbenzene	13.21	119	108103	4.531	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	125245	4.600	ug/l	98
85) sec-Butylbenzene	13.38	105	154801	4.675	ug/l	99
86) p-Isopropyltoluene	13.50	119	137750	4.559	ug/l	98
87) 1,3-Dichlorobenzene	13.49	146	71795	4.901	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	73377	5.087	ug/l	95
89) n-Butylbenzene	13.82	91	129920	4.618	ug/l	98
90) Hexachloroethane	14.09	117	25672	4.882	ug/l	99
91) 1,2-Dichlorobenzene	13.86	146	62959	4.889	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4741	5.200	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	34143	3.962	ug/l	96
94) Hexachlorobutadiene	15.24	225	27786	4.773	ug/l	98
95) Naphthalene	15.36	128	46190	3.179	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	28125	3.751	ug/l	99

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

