

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012420\
 Data File : VW014738.D
 Acq On : 24 Jan 2020 11:25
 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
 1/27/2020 12:04:40 PM

Quant Time: Jan 24 12:43:53 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	7.94	168	643895	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	988003	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	851746	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	424997	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	131980	23.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	46.02%	
35) Dibromofluoromethane	7.88	113	120293	21.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.22%	
50) Toluene-d8	10.32	98	490614	20.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.16%	
62) 4-Bromofluorobenzene	12.62	95	164261	20.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	81464	21.408	ug/l	97
3) Chloromethane	2.21	50	119225	25.472	ug/l	98
4) Vinyl Chloride	2.36	62	186336	26.883	ug/l	99
5) Bromomethane	2.75	94	96214	22.888	ug/l	98
6) Chloroethane	2.92	64	96222	24.500	ug/l	99
7) Trichlorofluoromethane	3.25	101	77116	22.410	ug/l	95
8) Diethyl Ether	3.68	74	68339	20.854	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	137881	22.215	ug/l	98
10) Methyl Iodide	4.28	142	184965	19.924	ug/l	100
11) Tert butyl alcohol	5.15	59	50359	105.226	ug/l	100
12) 1,1-Dichloroethene	4.03	96	137325	21.149	ug/l	98
13) Acrolein	3.89	56	56763	120.431	ug/l	99
14) Allyl chloride	4.66	41	221775	22.052	ug/l	98
15) Acrylonitrile	5.36	53	176338	119.111	ug/l	99
16) Acetone	4.12	43	160087	102.268	ug/l	97
17) Carbon Disulfide	4.38	76	437017	22.121	ug/l	99
18) Methyl Acetate	4.66	43	79053	21.177	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	177738	22.089	ug/l	100
20) Methylene Chloride	4.91	84	154118	20.624	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	145406	21.087	ug/l	98
22) Diisopropyl ether	6.31	45	431216	22.899	ug/l	97
23) Vinyl Acetate	6.24	43	1318084	117.489	ug/l	99
24) 1,1-Dichloroethane	6.20	63	263106	22.281	ug/l	100
25) 2-Butanone	7.17	43	232592	115.638	ug/l	96
26) 2,2-Dichloropropane	7.16	77	144430	22.073	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	148880	20.589	ug/l	98
28) Bromochloromethane	7.51	49	94749	20.664	ug/l	100
29) Tetrahydrofuran	7.52	42	152935	122.082	ug/l	99
30) Chloroform	7.67	83	242574	22.001	ug/l	100
31) Cyclohexane	7.95	56	265934	21.725	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	196847	22.222	ug/l	100
36) 1,1-Dichloropropene	8.08	75	212153	21.947	ug/l	100
37) Ethyl Acetate	7.25	43	103115	24.122	ug/l	99
38) Carbon Tetrachloride	8.06	117	180567	21.549	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	250672	20.372	ug/l	98
40) Benzene	8.32	78	585828	21.435	ug/l	99
41) Methacrylonitrile	7.48	41	54344	22.659	ug/l	97
42) 1,2-Dichloroethane	8.40	62	162812	22.883	ug/l	100
43) Isopropyl Acetate	8.42	43	182202	23.297	ug/l	99
44) Trichloroethene	9.09	130	146142	19.933	ug/l	98
45) 1,2-Dichloropropane	9.37	63	145926	21.737	ug/l	98
46) Dibromomethane	9.46	93	70984	21.739	ug/l	99
47) Bromodichloromethane	9.64	83	175761	21.503	ug/l	99
48) Methyl methacrylate	9.43	41	88304	23.367	ug/l	94
49) 1,4-Dioxane	9.44	88	27178	454.425	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	491224	121.507	ug/l	99
52) Toluene	10.38	92	360259	21.076	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	172325	20.586	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	213156	20.747	ug/l	99
55) 1,1,2-Trichloroethane	10.78	97	102051	21.468	ug/l	99
56) Ethyl methacrylate	10.64	69	132262	21.519	ug/l	97
57) 1,3-Dichloropropane	10.93	76	180832	21.499	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	202158	107.247	ug/l	99
59) 2-Hexanone	10.96	43	329488	119.006	ug/l	99
60) Dibromochloromethane	11.12	129	110067	20.523	ug/l	98
61) 1,2-Dibromoethane	11.23	107	96678	21.551	ug/l	97
64) Tetrachloroethene	10.86	164	124082	20.173	ug/l	97
65) Chlorobenzene	11.65	112	361351	20.631	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	121966	20.689	ug/l	98
67) Ethyl Benzene	11.73	91	655553	20.690	ug/l	100
68) m/p-Xylenes	11.84	106	504849	41.731	ug/l	99
69) o-Xylene	12.16	106	224653	20.119	ug/l	100
70) Styrene	12.18	104	392281	20.797	ug/l	99
71) Bromoform	12.35	173	65227	20.641	ug/l #	99
73) Isopropylbenzene	12.46	105	633550	20.215	ug/l	98
74) N-amyl acetate	12.27	43	160101	22.832	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	123149	22.054	ug/l	100
76) 1,2,3-Trichloropropane	12.76	75	91802m	23.099	ug/l	
77) Bromobenzene	12.74	156	145270	19.951	ug/l	97
78) n-propylbenzene	12.80	91	777145	20.931	ug/l	100
79) 2-Chlorotoluene	12.89	91	435052	20.605	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	535332	20.247	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	40005	22.413	ug/l	98
82) 4-Chlorotoluene	12.99	91	453441	20.644	ug/l	99
83) tert-Butylbenzene	13.20	119	464596	20.133	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	537924	20.424	ug/l	100
85) sec-Butylbenzene	13.38	105	657778	20.536	ug/l	100
86) p-Isopropyltoluene	13.49	119	592398	20.271	ug/l	100
87) 1,3-Dichlorobenzene	13.49	146	288735	20.376	ug/l	99
88) 1,4-Dichlorobenzene	13.57	146	282249	20.230	ug/l	99
89) n-Butylbenzene	13.82	91	567330	20.847	ug/l	98
90) Hexachloroethane	14.09	117	101769	20.009	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	254546	20.434	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	19760	22.406	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	164104	19.688	ug/l	98
94) Hexachlorobutadiene	15.23	225	108782	19.318	ug/l	98
95) Naphthalene	15.36	128	278141	19.790	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	139606	19.248	ug/l	99

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

