

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060220\
 Data File : VW015520.D
 Acq On : 02 Jun 2020 11:26
 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
 6/2/2020 4:00:11 PM

Quant Time: Jun 02 13:24:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060220S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 02 12:43:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	238721	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	382747	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	333541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	161242	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	12739	4.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.74%	
35) Dibromofluoromethane	7.89	113	11033	5.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.00%	
50) Toluene-d8	10.32	98	45159	4.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.98%	
62) 4-Bromofluorobenzene	12.62	95	15900	4.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.02	85	5434	3.927	ug/l	86
3) Chloromethane	2.22	50	8579	4.988	ug/l	98
4) Vinyl Chloride	2.37	62	12063	4.612	ug/l	95
5) Bromomethane	2.78	94	8583	4.199	ug/l	98
6) Chloroethane	2.93	64	7543	4.188	ug/l	96
7) Trichlorofluoromethane	3.26	101	8214	4.252	ug/l	96
8) Diethyl Ether	3.68	74	5322	4.373	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.07	101	11239	4.989	ug/l	98
10) Methyl Iodide	4.27	142	16190	4.753	ug/l	97
11) Tert butyl alcohol	5.18	59	7390	46.292	ug/l	94
12) 1,1-Dichloroethene	4.04	96	11139	4.793	ug/l	91
13) Acrolein	3.90	56	3933	20.990	ug/l	87
14) Allyl chloride	4.67	41	19036	4.680	ug/l	96
15) Acrylonitrile	5.38	53	10366	20.746	ug/l	97
16) Acetone	4.12	43	11365	24.946	ug/l	98
17) Carbon Disulfide	4.39	76	31814	4.485	ug/l	99
18) Methyl Acetate	4.69	43	6264	5.620	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	16552	4.390	ug/l	93
20) Methylene Chloride	4.93	84	15422	5.714	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	12277	4.641	ug/l	96
22) Diisopropyl ether	6.32	45	33621	4.232	ug/l	93
23) Vinyl Acetate	6.26	43	91680	18.887	ug/l	98
24) 1,1-Dichloroethane	6.22	63	22318	4.677	ug/l	97
25) 2-Butanone	7.18	43	15775	23.604	ug/l	92
26) 2,2-Dichloropropane	7.17	77	18491	5.825	ug/l	91
27) cis-1,2-Dichloroethene	7.18	96	13176	4.574	ug/l	90
28) Bromochloromethane	7.52	49	8671	4.576	ug/l	98
29) Tetrahydrofuran	7.54	42	9036	21.156	ug/l	97
30) Chloroform	7.68	83	22022	4.634	ug/l	98
31) Cyclohexane	7.95	56	25687	5.362	ug/l #	84
32) 1,1,1-Trichloroethane	7.87	97	19247	4.823	ug/l	99
36) 1,1-Dichloropropene	8.09	75	18437	4.854	ug/l	98
37) Ethyl Acetate	7.26	43	7233	4.835	ug/l #	94
38) Carbon Tetrachloride	8.07	117	17734	4.935	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	22182	4.611	ug/l	90
40) Benzene	8.33	78	49069	4.717	ug/l	100
41) Methacrylonitrile	7.49	41	3634	3.809	ug/l	93
42) 1,2-Dichloroethane	8.40	62	14716	4.618	ug/l	100
43) Isopropyl Acetate	8.43	43	13121	4.168	ug/l	99
44) Trichloroethene	9.09	130	12946	4.794	ug/l	92
45) 1,2-Dichloropropane	9.37	63	11769	4.577	ug/l	99
46) Dibromomethane	9.46	93	5923	4.575	ug/l	95
47) Bromodichloromethane	9.65	83	15636	4.471	ug/l	97
48) Methyl methacrylate	9.44	41	5565	3.844	ug/l	95
49) 1,4-Dioxane	9.45	88	1540	91.901	ug/l #	83
51) 4-Methyl-2-Pentanone	10.21	43	31276	21.170	ug/l	96
52) Toluene	10.39	92	30639	4.542	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	14532	4.068	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	17808	4.256	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	8227	4.504	ug/l	92
56) Ethyl methacrylate	10.65	69	10072	4.037	ug/l	98
57) 1,3-Dichloropropane	10.93	76	14338	4.385	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	26278	22.127	ug/l	99
59) 2-Hexanone	10.97	43	19869	19.656	ug/l	98
60) Dibromochloromethane	11.13	129	9516	4.323	ug/l	100
61) 1,2-Dibromoethane	11.24	107	7470	4.314	ug/l	100
64) Tetrachloroethene	10.87	164	11002	5.312	ug/l	91
65) Chlorobenzene	11.66	112	32799	4.919	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.73	131	11305	4.771	ug/l	99
67) Ethyl Benzene	11.73	91	60146	4.722	ug/l	98
68) m/p-Xylenes	11.84	106	44331	9.349	ug/l	98
69) o-Xylene	12.16	106	20354	4.575	ug/l	97
70) Styrene	12.18	104	33408	4.362	ug/l	98
71) Bromoform	12.35	173	4900	4.223	ug/l #	98
73) Isopropylbenzene	12.46	105	58680	4.810	ug/l	100
74) N-amyl acetate	12.27	43	11539	3.992	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	8632	4.478	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	6175m	4.651	ug/l	
77) Bromobenzene	12.75	156	12311	4.728	ug/l	98
78) n-propylbenzene	12.80	91	71047	4.860	ug/l	99
79) 2-Chlorotoluene	12.90	91	39349	4.770	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	48977	4.778	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	2506	3.670	ug/l	88
82) 4-Chlorotoluene	12.99	91	40737	4.676	ug/l	99
83) tert-Butylbenzene	13.21	119	41615	4.758	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	48098	4.688	ug/l	100
85) sec-Butylbenzene	13.38	105	58740	4.767	ug/l	99
86) p-Isopropyltoluene	13.50	119	53571	4.767	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	25176	4.890	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	25509	4.983	ug/l	92
89) n-Butylbenzene	13.82	91	51292	4.687	ug/l	99
90) Hexachloroethane	14.09	117	9909	4.776	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	21574	4.794	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	1464	4.347	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	14247	4.715	ug/l	100
94) Hexachlorobutadiene	15.24	225	9197	5.139	ug/l	97
95) Naphthalene	15.37	128	22638	4.175	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	11947	4.591	ug/l	98

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

