

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051619\
 Data File : VW010411.D
 Acq On : 16 May 2019 19:36
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Quant Time: May 17 08:55:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 08:39:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	1044753	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1799627	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1644245	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	813565	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	204570	18.33	ug/l	0.00
Spiked Amount			Recovery	=	36.66%	
35) Dibromofluoromethane	7.88	113	206188	19.40	ug/l	0.00
Spiked Amount			Recovery	=	38.80%	
50) Toluene-d8	10.32	98	786865	18.44	ug/l	0.00
Spiked Amount			Recovery	=	36.88%	
62) 4-Bromofluorobenzene	12.62	95	308001	20.09	ug/l	0.00
Spiked Amount			Recovery	=	40.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	113085	13.893	ug/l	93
3) Chloromethane	2.21	50	148393	14.338	ug/l	97
4) Vinyl Chloride	2.37	62	211655	16.306	ug/l	99
5) Bromomethane	2.77	94	136351	17.830	ug/l	98
6) Chloroethane	2.92	64	126211	16.794	ug/l	95
7) Trichlorofluoromethane	3.25	101	106206	16.063	ug/l	96
8) Diethyl Ether	3.67	74	101754	17.540	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.04	101	180624	16.828	ug/l	97
10) Methyl Iodide	4.26	142	302945	19.530	ug/l	98
11) Tert butyl alcohol	5.18	59	78407	96.882	ug/l #	87
12) 1,1-Dichloroethene	4.04	96	190695	17.001	ug/l	92
13) Acrolein	3.88	56	58947	62.798	ug/l	92
14) Allyl chloride	4.65	41	240231	14.724	ug/l	98
15) Acrylonitrile	5.36	53	226333	72.409	ug/l	98
16) Acetone	4.12	43	172827	63.309	ug/l	98
17) Carbon Disulfide	4.37	76	530570	15.918	ug/l	99
18) Methyl Acetate	4.67	43	113899	16.263	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	276666	20.208	ug/l	96
20) Methylene Chloride	4.92	84	216720	18.085	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	216730	17.862	ug/l	97
22) Diisopropyl ether	6.31	45	590929	18.098	ug/l	98
23) Vinyl Acetate	6.25	43	2013568	89.745	ug/l	99
24) 1,1-Dichloroethane	6.21	63	370277	16.961	ug/l	100
25) 2-Butanone	7.17	43	341146	78.971	ug/l	100
26) 2,2-Dichloropropane	7.16	77	190366	17.535	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	250537	19.720	ug/l	99
28) Bromochloromethane	7.51	49	162935	19.530	ug/l	99
29) Tetrahydrofuran	7.52	42	229273	81.660	ug/l	100
30) Chloroform	7.67	83	384501	18.507	ug/l	99
31) Cyclohexane	7.95	56	347965	15.790	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	305277	18.971	ug/l	99
36) 1,1-Dichloropropene	8.08	75	299138	15.860	ug/l	99
37) Ethyl Acetate	7.25	43	148034	14.729	ug/l	96
38) Carbon Tetrachloride	8.06	117	304768	18.321	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	396760	17.110	ug/l	99
40) Benzene	8.32	78	873351	16.724	ug/l	98
41) Methacrylonitrile	7.48	41	87386	15.472	ug/l	99
42) 1,2-Dichloroethane	8.40	62	253951	16.886	ug/l	99
43) Isopropyl Acetate	8.42	43	300182	17.486	ug/l	97
44) Trichloroethene	9.09	130	247171	18.528	ug/l	100
45) 1,2-Dichloropropane	9.37	63	214563	16.499	ug/l	100
46) Dibromomethane	9.46	93	126610	18.480	ug/l	99
47) Bromodichloromethane	9.64	83	310173	18.788	ug/l	97
48) Methyl methacrylate	9.43	41	136828	17.112	ug/l	98
49) 1,4-Dioxane	9.45	88	43887	369.320	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	783972	81.452	ug/l	100
52) Toluene	10.38	92	584794	18.118	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	324260	19.391	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	367089	18.663	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	178582	18.261	ug/l	98
56) Ethyl methacrylate	10.65	69	256615	19.799	ug/l	99
57) 1,3-Dichloropropane	10.93	76	304423	17.665	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	550738	88.633	ug/l	99
59) 2-Hexanone	10.97	43	548796	80.756	ug/l	99
60) Dibromochloromethane	11.13	129	228030	21.169	ug/l	97
61) 1,2-Dibromoethane	11.23	107	185155	19.612	ug/l	99
64) Tetrachloroethene	10.86	164	211989	18.587	ug/l	98
65) Chlorobenzene	11.66	112	639668	18.828	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	234415	20.155	ug/l	99
67) Ethyl Benzene	11.73	91	1127157	18.296	ug/l	98
68) m/p-Xylenes	11.84	106	886746	38.399	ug/l	99
69) o-Xylene	12.16	106	426325	20.212	ug/l	99
70) Styrene	12.18	104	740915	20.190	ug/l	99
71) Bromoform	12.35	173	134825	20.038	ug/l #	100
73) Isopropylbenzene	12.46	105	1139610	19.325	ug/l	100
74) N-amyl acetate	12.27	43	304359	19.539	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	216223	16.703	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	178342m	19.157	ug/l	
77) Bromobenzene	12.75	156	261526	19.349	ug/l	99
78) n-propylbenzene	12.80	91	1326675	18.387	ug/l	100
79) 2-Chlorotoluene	12.90	91	768644	18.509	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	988097	19.817	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	77416	18.373	ug/l	99
82) 4-Chlorotoluene	12.99	91	806336	18.550	ug/l	100
83) tert-Butylbenzene	13.21	119	834025	19.980	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	983408	19.808	ug/l	99
85) sec-Butylbenzene	13.38	105	1174921	19.237	ug/l	100
86) p-Isopropyltoluene	13.50	119	1081817	19.908	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	514385	19.231	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	513099	19.239	ug/l	98
89) n-Butylbenzene	13.83	91	1012632	18.721	ug/l	100
90) Hexachloroethane	14.10	117	211635	20.524	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	470546	19.716	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	39732	16.862	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	331667	20.451	ug/l	97
94) Hexachlorobutadiene	15.24	225	164363	16.325	ug/l	99
95) Naphthalene	15.37	128	723463	21.428	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	292667	19.919	ug/l	99

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

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