

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021919\
 Data File : VW008744.D
 Acq On : 19 Feb 2019 11:12
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Feb 20 06:55:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 04:06:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	350522	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	505274	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	462083	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	241724	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	181959	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
35) Dibromofluoromethane	7.88	113	171151	54.55	ug/l	0.00
Spiked Amount			Recovery	=	109.10%	
50) Toluene-d8	10.32	98	653646	54.05	ug/l	0.00
Spiked Amount			Recovery	=	108.10%	
62) 4-Bromofluorobenzene	12.62	95	233478	51.25	ug/l	0.00
Spiked Amount			Recovery	=	102.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	115062	51.251	ug/l	99
3) Chloromethane	2.21	50	130038	40.179	ug/l	99
4) Vinyl Chloride	2.36	62	187808	44.177	ug/l	97
5) Bromomethane	2.78	94	145408	43.225	ug/l	96
6) Chloroethane	2.92	64	139156	43.990	ug/l	98
7) Trichlorofluoromethane	3.25	101	148153	44.744	ug/l	100
8) Diethyl Ether	3.67	74	90038	45.568	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	186355	53.257	ug/l	98
10) Methyl Iodide	4.26	142	278083	50.917	ug/l	99
11) Tert butyl alcohol	5.17	59	58469	200.535	ug/l	96
12) 1,1-Dichloroethene	4.03	96	170585	49.849	ug/l	95
13) Acrolein	3.88	56	60364	200.946	ug/l	99
14) Allyl chloride	4.65	41	274366	48.258	ug/l	98
15) Acrylonitrile	5.36	53	188032	226.086	ug/l	99
16) Acetone	4.12	43	216314	260.855	ug/l	95
17) Carbon Disulfide	4.37	76	511953	49.575	ug/l	100
18) Methyl Acetate	4.67	43	83937	44.296	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	276831	46.083	ug/l	99
20) Methylene Chloride	4.90	84	178308	48.601	ug/l	89
21) trans-1,2-Dichloroethene	5.41	96	184607	49.261	ug/l	95
22) Diisopropyl ether	6.31	45	533522	46.625	ug/l	97
23) Vinyl Acetate	6.24	43	1662117	223.804	ug/l	99
24) 1,1-Dichloroethane	6.20	63	319460	48.381	ug/l	99
25) 2-Butanone	7.17	43	274389	234.331	ug/l	98
26) 2,2-Dichloropropane	7.16	77	217582	52.748	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	197114	48.642	ug/l	99
28) Bromochloromethane	7.51	49	137038	49.163	ug/l	95
29) Tetrahydrofuran	7.52	42	163783	212.212	ug/l	97
30) Chloroform	7.66	83	331870	50.160	ug/l	98
31) Cyclohexane	7.95	56	310181	46.541	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	291347	52.140	ug/l	99
36) 1,1-Dichloropropene	8.07	75	268895	52.970	ug/l	100
37) Ethyl Acetate	7.25	43	110716	45.213	ug/l	99
38) Carbon Tetrachloride	8.06	117	282210	55.907	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	333354	51.918	ug/l	96
40) Benzene	8.32	78	716124	51.653	ug/l	99
41) Methacrylonitrile	7.48	41	72249	52.439	ug/l	96
42) 1,2-Dichloroethane	8.40	62	219223	50.978	ug/l	99
43) Isopropyl Acetate	8.42	43	225181	46.117	ug/l	97
44) Trichloroethene	9.09	130	202063	52.565	ug/l	96
45) 1,2-Dichloropropane	9.37	63	173237	50.490	ug/l	98
46) Dibromomethane	9.46	93	95428	50.489	ug/l	98
47) Bromodichloromethane	9.64	83	238945	52.603	ug/l	98
48) Methyl methacrylate	9.43	41	104716	46.276	ug/l	97
49) 1,4-Dioxane	9.45	88	29156	966.393	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	576094	229.678	ug/l	99
52) Toluene	10.38	92	458852	51.303	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	241578	50.624	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	278014	51.394	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	131155	50.572	ug/l	98
56) Ethyl methacrylate	10.65	69	163986	47.619	ug/l	99
57) 1,3-Dichloropropane	10.93	76	226705	49.269	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	410812	248.683	ug/l	99
59) 2-Hexanone	10.97	43	436477	247.709	ug/l	99
60) Dibromochloromethane	11.13	129	162584	52.395	ug/l	98
61) 1,2-Dibromoethane	11.23	107	127652	49.992	ug/l	99
64) Tetrachloroethene	10.86	164	176419	51.341	ug/l	98
65) Chlorobenzene	11.66	112	503065	50.511	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	179981	51.012	ug/l	100
67) Ethyl Benzene	11.73	91	902727	50.884	ug/l	98
68) m/p-Xylenes	11.84	106	703789	101.956	ug/l	99
69) o-Xylene	12.16	106	328083	50.282	ug/l	98
70) Styrene	12.18	104	530855	49.811	ug/l	99
71) Bromoform	12.35	173	96276	50.644	ug/l	# 98
73) Isopropylbenzene	12.46	105	916870	50.922	ug/l	99
74) N-amyl acetate	12.27	43	217831	44.738	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	151272	48.288	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	103562m	43.388	ug/l	
77) Bromobenzene	12.75	156	210252	50.799	ug/l	95
78) n-propylbenzene	12.80	91	1107787	51.781	ug/l	99
79) 2-Chlorotoluene	12.90	91	615450	50.901	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	765440	51.181	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	45485	42.417	ug/l	98
82) 4-Chlorotoluene	12.99	91	639468	49.905	ug/l	99
83) tert-Butylbenzene	13.21	119	669787	51.577	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	783123	50.947	ug/l	99
85) sec-Butylbenzene	13.38	105	980801	51.870	ug/l	99
86) p-Isopropyltoluene	13.50	119	877721	51.887	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	429196	51.153	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	418078	50.559	ug/l	99
89) n-Butylbenzene	13.83	91	837869	52.123	ug/l	100
90) Hexachloroethane	14.10	117	161321	54.586	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	370587	49.852	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	26813	49.254	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	275253	52.016	ug/l	99
94) Hexachlorobutadiene	15.24	225	173001	56.164	ug/l	99
95) Naphthalene	15.37	128	480452	50.664	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	240802	53.030	ug/l	100

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

