

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091019\
 Data File : VX012251.D
 Acq On : 10 Sep 2019 12:44
 Operator : SY/SP
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVX091019

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 9:00:41 AM

Quant Time: Sep 11 01:44:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	151481	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	267146	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	245991	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	122574	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	105395	49.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.42%	
35) Dibromofluoromethane	5.48	113	84574	49.39	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.78%	
50) Toluene-d8	8.71	98	319975	53.27	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.54%	
62) 4-Bromofluorobenzene	11.13	95	137964	49.55	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	60681	48.997	ug/l	99
3) Chloromethane	1.31	50	54501	48.820	ug/l	97
4) Vinyl Chloride	1.40	62	53424	48.264	ug/l	98
5) Bromomethane	1.63	94	30543	69.927	ug/l	96
6) Chloroethane	1.71	64	36207	48.917	ug/l	99
7) Trichlorofluoromethane	1.92	101	100827	50.331	ug/l	99
8) Diethyl Ether	2.17	74	34407	50.333	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	66571	49.306	ug/l	98
10) Methyl Iodide	2.50	142	71188	55.398	ug/l	99
11) Tert butyl alcohol	3.03	59	48756	213.032	ug/l	100
12) 1,1-Dichloroethene	2.36	96	52778	46.044	ug/l	97
13) Acrolein	2.28	56	23879	213.294	ug/l	92
14) Allyl chloride	2.72	41	120517	51.570	ug/l	100
15) Acrylonitrile	3.12	53	103760	245.551	ug/l	100
16) Acetone	2.43	43	114839	226.511	ug/l	97
17) Carbon Disulfide	2.56	76	124358	51.664	ug/l	100
18) Methyl Acetate	2.76	43	49440	46.395	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	228478	50.474	ug/l	97
20) Methylene Chloride	2.84	84	78183	49.397	ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	68846	50.342	ug/l	97
22) Diisopropyl ether	3.84	45	274272	51.318	ug/l	93
23) Vinyl Acetate	3.80	43	853824	260.384	ug/l	98
24) 1,1-Dichloroethane	3.68	63	147048	51.365	ug/l	99
25) 2-Butanone	4.65	43	154341	238.139	ug/l	99
26) 2,2-Dichloropropane	4.56	77	143242	53.295	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	90157	51.064	ug/l	99
28) Bromochloromethane	5.00	49	65246	48.595	ug/l	100
29) Tetrahydrofuran	5.11	42	86560	247.537	ug/l	98
30) Chloroform	5.19	83	162586	50.364	ug/l	99
31) Cyclohexane	5.56	56	102662	51.625	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	142214	51.305	ug/l	100
36) 1,1-Dichloropropene	5.78	75	103153	52.955	ug/l	99
37) Ethyl Acetate	4.81	43	62381	51.805	ug/l	99
38) Carbon Tetrachloride	5.77	117	119752	52.398	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	112739	52.738	ug/l	99
40) Benzene	6.13	78	302501	51.310	ug/l	99
41) Methacrylonitrile	5.03	41	37301	50.248	ug/l	97
42) 1,2-Dichloroethane	6.18	62	117729	50.525	ug/l	99
43) Isopropyl Acetate	6.43	43	127337	50.158	ug/l	100
44) Trichloroethene	7.20	130	82314	51.591	ug/l	96
45) 1,2-Dichloropropane	7.50	63	84235	51.618	ug/l	100
46) Dibromomethane	7.65	93	46494	52.130	ug/l	99
47) Bromodichloromethane	7.89	83	127603	52.426	ug/l	99
48) Methyl methacrylate	7.76	41	62012	51.032	ug/l	98
49) 1,4-Dioxane	7.73	88	14835	904.721	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	328583	245.235	ug/l	99
52) Toluene	8.78	92	202888	52.101	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	130341	53.654	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	142320	52.832	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	69325	50.171	ug/l	99
56) Ethyl methacrylate	9.17	69	97577	52.156	ug/l	99
57) 1,3-Dichloropropane	9.36	76	120668	51.131	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	242058	252.439	ug/l	100
59) 2-Hexanone	9.48	43	243580	261.458	ug/l	99
60) Dibromochloromethane	9.57	129	85545	53.032	ug/l	97
61) 1,2-Dibromoethane	9.67	107	65690	51.072	ug/l	99
64) Tetrachloroethene	9.33	164	64957	49.930	ug/l	99
65) Chlorobenzene	10.14	112	232066	51.631	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	88797	52.407	ug/l	100
67) Ethyl Benzene	10.25	91	421371	52.710	ug/l	98
68) m/p-Xylenes	10.35	106	316543	107.567	ug/l	98
69) o-Xylene	10.70	106	152799	53.004	ug/l	99
70) Styrene	10.71	104	271009	53.008	ug/l	100
71) Bromoform	10.85	173	46555	52.987	ug/l #	98
73) Isopropylbenzene	11.01	105	420950	52.166	ug/l	100
74) N-amyl acetate	10.89	43	125537	52.322	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	88557	51.099	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	67263m	42.716	ug/l	
77) Bromobenzene	11.25	156	96581	51.985	ug/l	99
78) n-propylbenzene	11.35	91	511265	52.467	ug/l	99
79) 2-Chlorotoluene	11.42	91	316455	52.417	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	381033	52.507	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	27556	52.433	ug/l	99
82) 4-Chlorotoluene	11.51	91	384688	53.020	ug/l	99
83) tert-Butylbenzene	11.76	119	380065	53.938	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	395267	52.690	ug/l	99
85) sec-Butylbenzene	11.94	105	446866	53.150	ug/l	100
86) p-Isopropyltoluene	12.06	119	415614	53.500	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	200790	53.055	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	200388	52.363	ug/l	99
89) n-Butylbenzene	12.39	91	415448	54.563	ug/l	99
90) Hexachloroethane	12.59	117	77224	53.969	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	182796	52.214	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	17718	50.088	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	134105	55.469	ug/l	99
94) Hexachlorobutadiene	13.78	225	67179	55.855	ug/l	97
95) Naphthalene	13.83	128	279702	53.910	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	116501	54.462	ug/l	98

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

