

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090719\
 Data File : VX012190.D
 Acq On : 07 Sep 2019 21:48
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/9/2019 9:19:10 AM

Quant Time: Sep 08 08:02:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	112582	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	218785	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	205588	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	103531	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	96269	61.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.94%	
35) Dibromofluoromethane	5.48	113	74367	55.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.54%	
50) Toluene-d8	8.71	98	269097	54.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.00%	
62) 4-Bromofluorobenzene	11.13	95	118589	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	47801	46.043	ug/l	97
3) Chloromethane	1.31	50	58130	54.672	ug/l	97
4) Vinyl Chloride	1.39	62	51653	51.636	ug/l	99
5) Bromomethane	1.62	94	27648	55.715	ug/l	95
6) Chloroethane	1.71	64	34789	55.943	ug/l	99
7) Trichlorofluoromethane	1.92	101	82755	53.263	ug/l	99
8) Diethyl Ether	2.17	74	32221	60.011	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.37	101	56512	49.107	ug/l #	84
10) Methyl Iodide	2.50	142	50076	43.961	ug/l	93
11) Tert butyl alcohol	3.03	59	41496	278.113	ug/l	95
12) 1,1-Dichloroethene	2.36	96	55885	50.411	ug/l	88
13) Acrolein	2.28	56	11418	306.157	ug/l	100
14) Allyl chloride	2.72	41	111696	55.683	ug/l	97
15) Acrylonitrile	3.12	53	97444	288.815	ug/l	98
16) Acetone	2.43	43	91353	246.037	ug/l	99
17) Carbon Disulfide	2.56	76	168527	52.017	ug/l	99
18) Methyl Acetate	2.76	43	50931	58.228	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	208889	57.878	ug/l	99
20) Methylene Chloride	2.84	84	78119	52.394	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	70476	54.174	ug/l	92
22) Diisopropyl ether	3.84	45	237899	58.185	ug/l	99
23) Vinyl Acetate	3.80	43	789270	298.413	ug/l	98
24) 1,1-Dichloroethane	3.68	63	132131	55.721	ug/l	98
25) 2-Butanone	4.65	43	137461	290.840	ug/l	96
26) 2,2-Dichloropropane	4.56	77	102462	46.801	ug/l	97
27) cis-1,2-Dichloroethene	4.58	96	83119	54.507	ug/l	92
28) Bromochloromethane	5.00	49	55130	58.242	ug/l #	79
29) Tetrahydrofuran	5.11	42	85797	301.294	ug/l	97
30) Chloroform	5.19	83	144262	56.697	ug/l	97
31) Cyclohexane	5.56	56	91293	47.936	ug/l	93
32) 1,1,1-Trichloroethane	5.48	97	120504	54.377	ug/l	96
36) 1,1-Dichloropropene	5.78	75	92123	47.808	ug/l	96
37) Ethyl Acetate	4.81	43	60872	58.092	ug/l	99
38) Carbon Tetrachloride	5.77	117	101258	49.869	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	98281	43.945	ug/l	95
40) Benzene	6.13	78	286512	51.793	ug/l	99
41) Methacrylonitrile	5.02	41	36033	57.663	ug/l	98
42) 1,2-Dichloroethane	6.18	62	113075	56.801	ug/l	96
43) Isopropyl Acetate	6.43	43	121568	57.057	ug/l	97
44) Trichloroethene	7.20	130	76109	51.009	ug/l	86
45) 1,2-Dichloropropane	7.50	63	75435	52.780	ug/l	100
46) Dibromomethane	7.65	93	46163	55.329	ug/l #	73
47) Bromodichloromethane	7.89	83	112947	53.258	ug/l #	98
48) Methyl methacrylate	7.76	41	60401	56.381	ug/l	94
49) 1,4-Dioxane	7.73	88	15717	1076.201	ug/l	93
51) 4-Methyl-2-Pentanone	8.64	43	306424	282.751	ug/l	97
52) Toluene	8.78	92	185180	51.449	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	112986	51.460	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	125834	51.538	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	63516	53.248	ug/l	96
56) Ethyl methacrylate	9.17	69	91554	53.585	ug/l	93
57) 1,3-Dichloropropane	9.36	76	110771	53.816	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	186719	242.401	ug/l	95
59) 2-Hexanone	9.48	43	219190	277.186	ug/l	96
60) Dibromochloromethane	9.57	129	76135	53.555	ug/l	99
61) 1,2-Dibromoethane	9.67	107	62988	54.648	ug/l	96
64) Tetrachloroethene	9.33	164	67511	52.672	ug/l #	87
65) Chlorobenzene	10.14	112	202697	49.970	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	77130	52.002	ug/l	98
67) Ethyl Benzene	10.25	91	363677	49.185	ug/l	97
68) m/p-Xylenes	10.35	106	268202	98.450	ug/l	90
69) o-Xylene	10.70	106	131698	49.854	ug/l	88
70) Styrene	10.71	104	232235	50.614	ug/l	95
71) Bromoform	10.85	173	41794	51.303	ug/l	97
73) Isopropylbenzene	11.01	105	350970	46.203	ug/l	96
74) N-amyl acetate	10.89	43	113532	50.550	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	78534	49.592	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	71748m	56.718	ug/l	
77) Bromobenzene	11.25	156	83610	49.214	ug/l	69
78) n-propylbenzene	11.35	91	414626	45.180	ug/l	94
79) 2-Chlorotoluene	11.42	91	259058	46.595	ug/l	91
80) 1,3,5-Trimethylbenzene	11.50	105	316674	47.571	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.07	75	23561	44.033	ug/l	92
82) 4-Chlorotoluene	11.51	91	314203	47.415	ug/l	91
83) tert-Butylbenzene	11.76	119	296524	46.735	ug/l	89
84) 1,2,4-Trimethylbenzene	11.81	105	325386	47.558	ug/l	94
85) sec-Butylbenzene	11.94	105	355818	45.150	ug/l	94
86) p-Isopropyltoluene	12.06	119	321909	44.915	ug/l	94
87) 1,3-Dichlorobenzene	12.02	146	162137	47.627	ug/l	94
88) 1,4-Dichlorobenzene	12.09	146	159874	46.968	ug/l	94
89) n-Butylbenzene	12.39	91	303415	43.581	ug/l	95
90) Hexachloroethane	12.59	117	62105	43.399	ug/l	58
91) 1,2-Dichlorobenzene	12.39	146	150230	48.999	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	12.99	75	16359	49.365	ug/l	63

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	97324	44.598	ug/l	97
94) Hexachlorobutadiene	13.78	225	47260	42.962	ug/l	98
95) Naphthalene	13.83	128	226306	47.916	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	88826	46.266	ug/l	96

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

