

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083119\
 Data File : VX011985.D
 Acq On : 01 Sep 2019 08:12
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

sam
 9/3/2019 12:52:55 PM

Quant Time: Sep 02 01:42:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	265271	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	408696	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	406308	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	243061	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	156471	61.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.12%	
35) Dibromofluoromethane	5.48	113	143086	54.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.20%	
50) Toluene-d8	8.71	98	490172	52.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.64%	
62) 4-Bromofluorobenzene	11.13	95	212787	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.19	85	61946	38.691	ug/l	98
3) Chloromethane	1.31	50	83740	45.118	ug/l	98
4) Vinyl Chloride	1.39	62	76410	43.114	ug/l	99
5) Bromomethane	1.62	94	71381	58.210	ug/l	99
6) Chloroethane	1.71	64	57483	52.114	ug/l	99
7) Trichlorofluoromethane	1.92	101	136494	44.346	ug/l	99
8) Diethyl Ether	2.17	74	63843	60.355	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	89295	44.513	ug/l	98
10) Methyl Iodide	2.50	142	84430	39.391	ug/l	99
11) Tert butyl alcohol	3.03	59	73663	301.262	ug/l	99
12) 1,1-Dichloroethene	2.36	96	89065	47.804	ug/l	98
13) Acrolein	2.28	56	8765	72.021	ug/l	99
14) Allyl chloride	2.72	41	178733	51.141	ug/l	98
15) Acrylonitrile	3.12	53	178340	306.939	ug/l	99
16) Acetone	2.43	43	147442	269.627	ug/l	100
17) Carbon Disulfide	2.56	76	232628	43.530	ug/l	99
18) Methyl Acetate	2.76	43	101856	67.288	ug/l	97
19) Methyl tert-butyl Ether	3.18	73	379125	62.812	ug/l	98
20) Methylene Chloride	2.84	84	138735	60.489	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	117890	53.717	ug/l	97
22) Diisopropyl ether	3.84	45	429451	60.191	ug/l	98
23) Vinyl Acetate	3.80	43	1239993	270.317	ug/l	100
24) 1,1-Dichloroethane	3.68	63	227443	57.807	ug/l	99
25) 2-Butanone	4.65	43	235307	295.446	ug/l	100
26) 2,2-Dichloropropane	4.57	77	134074	40.629	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	156666	60.603	ug/l	96
28) Bromochloromethane	5.00	49	105330	59.661	ug/l	96
29) Tetrahydrofuran	5.11	42	152031	305.827	ug/l	100
30) Chloroform	5.20	83	257720	61.261	ug/l	97
31) Cyclohexane	5.56	56	124852	39.342	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	204418	54.702	ug/l	100
36) 1,1-Dichloropropene	5.79	75	145208	44.847	ug/l	99
37) Ethyl Acetate	4.81	43	103550	54.028	ug/l	99
38) Carbon Tetrachloride	5.77	117	178044	47.413	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	140863	36.525	ug/l	96
40) Benzene	6.13	78	501980	51.939	ug/l	99
41) Methacrylonitrile	5.03	41	63478	56.250	ug/l	99
42) 1,2-Dichloroethane	6.18	62	191254	58.190	ug/l	100
43) Isopropyl Acetate	6.43	43	215348	55.419	ug/l	99
44) Trichloroethene	7.20	130	157843	52.784	ug/l	97
45) 1,2-Dichloropropane	7.51	63	138551	54.805	ug/l	99
46) Dibromomethane	7.65	93	86729	57.805	ug/l	96
47) Bromodichloromethane	7.89	83	213164	57.295	ug/l	99
48) Methyl methacrylate	7.76	41	105505	55.802	ug/l	98
49) 1,4-Dioxane	7.73	88	30310	1165.787	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	547012	277.103	ug/l	100
52) Toluene	8.78	92	339747	53.135	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	198872	52.184	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	220674	51.583	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	127331	57.970	ug/l	99
56) Ethyl methacrylate	9.17	69	171402	56.225	ug/l	98
57) 1,3-Dichloropropane	9.37	76	207716	56.976	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	392299	270.185	ug/l	97
59) 2-Hexanone	9.48	43	383785	273.695	ug/l	100
60) Dibromochloromethane	9.57	129	175264	59.410	ug/l	100
61) 1,2-Dibromoethane	9.67	107	126850	58.249	ug/l	99
64) Tetrachloroethene	9.33	164	196019	59.975	ug/l	97
65) Chlorobenzene	10.14	112	416161	52.855	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	177858	55.860	ug/l	99
67) Ethyl Benzene	10.25	91	669233	49.968	ug/l	99
68) m/p-Xylenes	10.36	106	519849	100.521	ug/l	100
69) o-Xylene	10.70	106	265906	52.764	ug/l	99
70) Styrene	10.71	104	477704	53.779	ug/l	100
71) Bromoform	10.85	173	127428	56.599	ug/l #	100
73) Isopropylbenzene	11.01	105	675387	48.360	ug/l	100
74) N-amyl acetate	10.89	43	178413	43.048	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.26	83	148975	52.122	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	127976m	53.524	ug/l	
77) Bromobenzene	11.25	156	219332	54.151	ug/l	97
78) n-propylbenzene	11.35	91	746278	47.123	ug/l	99
79) 2-Chlorotoluene	11.42	91	480511	50.408	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	593884	49.266	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	38733	40.696	ug/l	96
82) 4-Chlorotoluene	11.51	91	578212	50.280	ug/l	100
83) tert-Butylbenzene	11.76	119	578056	47.259	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	616313	49.888	ug/l	100
85) sec-Butylbenzene	11.94	105	658135	46.324	ug/l	99
86) p-Isopropyltoluene	12.06	119	610932	44.347	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	399405	53.058	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	398623	52.382	ug/l	99
89) n-Butylbenzene	12.39	91	534306	43.838	ug/l	99
90) Hexachloroethane	12.59	117	133649	50.146	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	379545	54.231	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	30337	53.284	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	304865	51.733	ug/l	100
94) Hexachlorobutadiene	13.78	225	181006	45.992	ug/l	99
95) Naphthalene	13.83	128	545045	53.891	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	288966	54.225	ug/l	99

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

