

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083119\
 Data File : VX011942.D
 Acq On : 31 Aug 2019 10:58
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

sam
 9/3/2019 12:52:13 PM

Quant Time: Sep 01 02:01:36 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	382229	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	502074	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	454915	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	270580	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	165413	45.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.34%	
35) Dibromofluoromethane	5.48	113	165910	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	
50) Toluene-d8	8.71	98	598730	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	
62) 4-Bromofluorobenzene	11.14	95	241828	47.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	118942	51.559	ug/l	99
3) Chloromethane	1.31	50	122308	45.734	ug/l	99
4) Vinyl Chloride	1.39	62	127240	49.826	ug/l	97
5) Bromomethane	1.62	94	84203	47.655	ug/l	98
6) Chloroethane	1.71	64	80058	50.372	ug/l	99
7) Trichlorofluoromethane	1.92	101	236989	53.436	ug/l	100
8) Diethyl Ether	2.17	74	67058	43.996	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	156466	54.131	ug/l	98
10) Methyl Iodide	2.50	142	153652	48.785	ug/l	100
11) Tert butyl alcohol	3.03	59	69922	198.461	ug/l	99
12) 1,1-Dichloroethene	2.36	96	139934	52.125	ug/l	99
13) Acrolein	2.28	56	37853	215.861	ug/l	98
14) Allyl chloride	2.71	41	243379	48.329	ug/l	98
15) Acrylonitrile	3.12	53	181829	217.187	ug/l	99
16) Acetone	2.43	43	228443	289.926	ug/l	100
17) Carbon Disulfide	2.56	76	368124	47.807	ug/l	99
18) Methyl Acetate	2.76	43	90108	41.312	ug/l	96
19) Methyl tert-butyl Ether	3.18	73	396104	45.545	ug/l	98
20) Methylene Chloride	2.84	84	156278	46.100	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	159202	50.344	ug/l	97
22) Diisopropyl ether	3.84	45	479921	46.682	ug/l	99
23) Vinyl Acetate	3.80	43	1510868	228.584	ug/l	100
24) 1,1-Dichloroethane	3.68	63	278600	49.143	ug/l	99
25) 2-Butanone	4.65	43	273228	238.086	ug/l	99
26) 2,2-Dichloropropane	4.56	77	274332	57.694	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	185769	49.872	ug/l	99
28) Bromochloromethane	5.00	49	116813	45.919	ug/l	97
29) Tetrahydrofuran	5.11	42	151734	211.833	ug/l	99
30) Chloroform	5.19	83	298032	49.166	ug/l	97
31) Cyclohexane	5.56	56	227561	49.765	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	284872	52.905	ug/l	99
36) 1,1-Dichloropropene	5.78	75	220376	55.404	ug/l	99
37) Ethyl Acetate	4.81	43	106962	45.428	ug/l	99
38) Carbon Tetrachloride	5.77	117	265603	57.575	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	252359	53.265	ug/l	98
40) Benzene	6.13	78	617025	51.968	ug/l	98
41) Methacrylonitrile	5.02	41	65545	47.279	ug/l	98
42) 1,2-Dichloroethane	6.18	62	203162	50.317	ug/l	100
43) Isopropyl Acetate	6.43	43	220476	46.186	ug/l	99
44) Trichloroethene	7.20	130	199359	54.269	ug/l	98
45) 1,2-Dichloropropane	7.51	63	157086	50.580	ug/l	99
46) Dibromomethane	7.65	93	89612	48.619	ug/l	99
47) Bromodichloromethane	7.89	83	235487	51.523	ug/l	100
48) Methyl methacrylate	7.76	41	107741	46.387	ug/l	99
49) 1,4-Dioxane	7.73	88	28068	878.775	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	554076	228.479	ug/l	100
52) Toluene	8.78	92	415042	52.839	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	237905	50.816	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	268728	51.133	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	132836	49.229	ug/l	98
56) Ethyl methacrylate	9.17	69	177846	47.489	ug/l	99
57) 1,3-Dichloropropane	9.37	76	219749	49.066	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	448753	251.585	ug/l	98
59) 2-Hexanone	9.48	43	418540	242.968	ug/l	99
60) Dibromochloromethane	9.57	129	184916	51.024	ug/l	100
61) 1,2-Dibromoethane	9.67	107	131203	49.043	ug/l	99
64) Tetrachloroethene	9.33	164	196805	53.782	ug/l	98
65) Chlorobenzene	10.14	112	476994	54.108	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	194831	54.652	ug/l	99
67) Ethyl Benzene	10.25	91	833343	55.573	ug/l	99
68) m/p-Xylenes	10.36	106	646937	111.729	ug/l	100
69) o-Xylene	10.70	106	309109	54.783	ug/l	100
70) Styrene	10.71	104	542551	54.554	ug/l	100
71) Bromoform	10.85	173	131704	52.248	ug/l #	100
73) Isopropylbenzene	11.01	105	865796	55.689	ug/l	100
74) N-amyl acetate	10.89	43	214023	46.388	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.26	83	153209	48.152	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	115994m	43.579	ug/l	
77) Bromobenzene	11.25	156	239969	53.220	ug/l	98
78) n-propylbenzene	11.35	91	988884	56.092	ug/l	99
79) 2-Chlorotoluene	11.42	91	576917	54.367	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	740552	55.185	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	52347	49.406	ug/l	99
82) 4-Chlorotoluene	11.51	91	691382	54.006	ug/l	99
83) tert-Butylbenzene	11.76	119	775157	56.928	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	743908	54.092	ug/l	100
85) sec-Butylbenzene	11.94	105	889716	56.255	ug/l	99
86) p-Isopropyltoluene	12.06	119	867610	56.573	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	455918	54.406	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	455812	53.805	ug/l	100
89) n-Butylbenzene	12.39	91	763445	56.267	ug/l	99
90) Hexachloroethane	12.59	117	163213	55.011	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	411022	52.755	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	30818	48.624	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	358490	54.646	ug/l	100
94) Hexachlorobutadiene	13.78	225	249238	56.889	ug/l	99
95) Naphthalene	13.83	128	563527	50.052	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	316576	53.364	ug/l	100

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

