

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091219\
 Data File : VX012351.D
 Acq On : 12 Sep 2019 16:53
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 10:11:50 AM

Quant Time: Sep 13 02:14:37 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	5.64	168	144739	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	251350	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	231333	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	115268	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	90406	44.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.36%	
35) Dibromofluoromethane	5.48	113	72366	44.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.82%	
50) Toluene-d8	8.71	98	274607	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
62) 4-Bromofluorobenzene	11.14	95	116767	44.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	49960	42.219	ug/l	98
3) Chloromethane	1.31	50	47335	44.376	ug/l	99
4) Vinyl Chloride	1.39	62	46714	44.168	ug/l	100
5) Bromomethane	1.62	94	24105	56.870	ug/l	100
6) Chloroethane	1.71	64	32342	45.731	ug/l	99
7) Trichlorofluoromethane	1.92	101	85973	44.915	ug/l	99
8) Diethyl Ether	2.17	74	30091	46.070	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	61903	47.984	ug/l	99
10) Methyl Iodide	2.50	142	37391	30.453	ug/l	99
11) Tert butyl alcohol	3.03	59	45228	206.542	ug/l	99
12) 1,1-Dichloroethene	2.36	96	50894	46.469	ug/l	97
13) Acrolein	2.28	56	30464	284.788	ug/l	92
14) Allyl chloride	2.72	41	100166	44.858	ug/l	99
15) Acrylonitrile	3.12	53	91830	227.441	ug/l	99
16) Acetone	2.43	43	107778	222.486	ug/l	100
17) Carbon Disulfide	2.56	76	97313	42.312	ug/l	98
18) Methyl Acetate	2.76	43	43372	42.597	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	195061	45.099	ug/l	99
20) Methylene Chloride	2.84	84	70593	46.526	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	60029	45.940	ug/l	96
22) Diisopropyl ether	3.84	45	237680	46.543	ug/l	99
23) Vinyl Acetate	3.80	43	723992	231.074	ug/l	98
24) 1,1-Dichloroethane	3.68	63	128078	46.823	ug/l	97
25) 2-Butanone	4.65	43	135859	219.386	ug/l	98
26) 2,2-Dichloropropane	4.56	77	118925	46.309	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	78791	46.705	ug/l	98
28) Bromochloromethane	5.00	49	59072	46.046	ug/l	100
29) Tetrahydrofuran	5.11	42	75242	225.193	ug/l	98
30) Chloroform	5.19	83	141973	46.028	ug/l	100
31) Cyclohexane	5.56	56	85360	44.924	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	120252	45.403	ug/l	98
36) 1,1-Dichloropropene	5.79	75	86847	47.386	ug/l	98
37) Ethyl Acetate	4.81	43	52157	46.037	ug/l	99
38) Carbon Tetrachloride	5.77	117	98826	45.959	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	94856	47.161	ug/l	98
40) Benzene	6.13	78	262322	47.291	ug/l	98
41) Methacrylonitrile	5.02	41	33002	47.251	ug/l	98
42) 1,2-Dichloroethane	6.18	62	102135	46.587	ug/l	99
43) Isopropyl Acetate	6.44	43	107585	45.041	ug/l	99
44) Trichloroethene	7.20	130	72442	48.257	ug/l	96
45) 1,2-Dichloropropane	7.50	63	71669	46.678	ug/l	100
46) Dibromomethane	7.65	93	40867	48.700	ug/l	98
47) Bromodichloromethane	7.89	83	106036	46.303	ug/l	98
48) Methyl methacrylate	7.76	41	51570	45.106	ug/l	99
49) 1,4-Dioxane	7.73	88	12772	827.858	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	285743	226.664	ug/l	100
52) Toluene	8.78	92	173902	47.464	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	105112	45.987	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	117531	46.372	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	62173	47.823	ug/l	97
56) Ethyl methacrylate	9.17	69	80815	45.911	ug/l	99
57) 1,3-Dichloropropane	9.37	76	104930	47.257	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	204851	227.062	ug/l	99
59) 2-Hexanone	9.48	43	208329	237.673	ug/l	99
60) Dibromochloromethane	9.57	129	71363	47.020	ug/l	99
61) 1,2-Dibromoethane	9.67	107	56471	46.664	ug/l	97
64) Tetrachloroethene	9.33	164	58358	47.700	ug/l	97
65) Chlorobenzene	10.14	112	199867	47.285	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	76812	48.206	ug/l	99
67) Ethyl Benzene	10.25	91	357514	47.556	ug/l	98
68) m/p-Xylenes	10.36	106	264989	95.754	ug/l	100
69) o-Xylene	10.70	106	130279	48.056	ug/l	98
70) Styrene	10.71	104	231405	48.130	ug/l	99
71) Bromoform	10.85	173	38266	46.312	ug/l #	98
73) Isopropylbenzene	11.01	105	359474	47.372	ug/l	99
74) N-amyl acetate	10.89	43	98146	43.499	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	76775	47.109	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	66873m	45.160	ug/l	
77) Bromobenzene	11.25	156	83740	47.931	ug/l	99
78) n-propylbenzene	11.35	91	434243	47.387	ug/l	100
79) 2-Chlorotoluene	11.42	91	260946	45.962	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	324315	47.524	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	21421	43.343	ug/l	97
82) 4-Chlorotoluene	11.51	91	321577	47.131	ug/l	100
83) tert-Butylbenzene	11.76	119	317985	47.988	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	328864	46.617	ug/l	97
85) sec-Butylbenzene	11.94	105	372838	47.156	ug/l	100
86) p-Isopropyltoluene	12.06	119	348362	47.686	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	172156	48.372	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	169498	47.099	ug/l	99
89) n-Butylbenzene	12.39	91	338941	47.336	ug/l	99
90) Hexachloroethane	12.59	117	63073	46.873	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	156933	47.668	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	13868	41.689	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	109108	47.990	ug/l	99
94) Hexachlorobutadiene	13.78	225	54845	48.490	ug/l	99
95) Naphthalene	13.83	128	216383	44.349	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	94433	46.944	ug/l	99

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

