

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091219\
 Data File : VX012373.D
 Acq On : 13 Sep 2019 03:15
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 10:11:44 AM

Quant Time: Sep 13 04:27:06 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	117321	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	215755	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	204090	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	102597	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	93009	56.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.14%	
35) Dibromofluoromethane	5.48	113	71065	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	
50) Toluene-d8	8.71	98	259295	53.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.90%	
62) 4-Bromofluorobenzene	11.14	95	112813	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	36314	37.859	ug/l	100
3) Chloromethane	1.31	50	40602	46.960	ug/l	98
4) Vinyl Chloride	1.39	62	38775	45.230	ug/l	95
5) Bromomethane	1.62	94	18831	54.625	ug/l	100
6) Chloroethane	1.70	64	27096	47.267	ug/l	98
7) Trichlorofluoromethane	1.91	101	65940	42.500	ug/l	100
8) Diethyl Ether	2.17	74	28231	53.323	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	47008	44.954	ug/l	99
10) Methyl Iodide	2.50	142	28113	28.247	ug/l	100
11) Tert butyl alcohol	3.03	59	56729	324.859	ug/l	98
12) 1,1-Dichloroethene	2.36	96	41273	46.491	ug/l	99
13) Acrolein	2.28	56	25964	299.444	ug/l	96
14) Allyl chloride	2.71	41	85806	47.408	ug/l	98
15) Acrylonitrile	3.12	53	96997	296.383	ug/l	98
16) Acetone	2.43	43	87473	222.770	ug/l	98
17) Carbon Disulfide	2.55	76	76688	41.137	ug/l	98
18) Methyl Acetate	2.76	43	51046	61.850	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	193119	55.085	ug/l	98
20) Methylene Chloride	2.84	84	65263	53.456	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	50768	47.932	ug/l	97
22) Diisopropyl ether	3.84	45	218671	52.828	ug/l	92
23) Vinyl Acetate	3.80	43	659438	259.658	ug/l	100
24) 1,1-Dichloroethane	3.68	63	112013	50.520	ug/l	98
25) 2-Butanone	4.65	43	134642	268.233	ug/l	97
26) 2,2-Dichloropropane	4.57	77	79112	38.005	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	69939	51.146	ug/l	96
28) Bromochloromethane	4.99	49	58661	56.412	ug/l	100
29) Tetrahydrofuran	5.11	42	83467	308.191	ug/l	99
30) Chloroform	5.19	83	125335	50.130	ug/l	98
31) Cyclohexane	5.57	56	64449	41.845	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	99857	46.513	ug/l	99
36) 1,1-Dichloropropene	5.79	75	70455	44.784	ug/l	98
37) Ethyl Acetate	4.82	43	55701	57.276	ug/l	98
38) Carbon Tetrachloride	5.77	117	78027	42.273	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	70637	40.914	ug/l	99
40) Benzene	6.13	78	229797	48.262	ug/l	97
41) Methacrylonitrile	5.03	41	33273	55.498	ug/l	98
42) 1,2-Dichloroethane	6.18	62	95638	50.820	ug/l	100
43) Isopropyl Acetate	6.43	43	112354	54.798	ug/l	98
44) Trichloroethene	7.21	130	62291	48.341	ug/l	87
45) 1,2-Dichloropropane	7.51	63	65940	50.032	ug/l	98
46) Dibromomethane	7.65	93	39112	54.298	ug/l	99
47) Bromodichloromethane	7.89	83	96826	49.257	ug/l	99
48) Methyl methacrylate	7.76	41	53743	54.761	ug/l	98
49) 1,4-Dioxane	7.73	88	15878	1198.977	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	308075	284.696	ug/l	99
52) Toluene	8.78	92	152741	48.566	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	92198	46.992	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	102772	47.238	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	59816	53.601	ug/l	98
56) Ethyl methacrylate	9.17	69	81486	53.930	ug/l	100
57) 1,3-Dichloropropane	9.37	76	101460	53.233	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	208545	269.293	ug/l	98
59) 2-Hexanone	9.48	43	214989	285.736	ug/l	100
60) Dibromochloromethane	9.58	129	68379	52.487	ug/l	100
61) 1,2-Dibromoethane	9.67	107	56165	54.068	ug/l	99
64) Tetrachloroethene	9.33	164	61328	56.819	ug/l	96
65) Chlorobenzene	10.14	112	178624	47.900	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	71404	50.794	ug/l	98
67) Ethyl Benzene	10.25	91	309074	46.600	ug/l	97
68) m/p-Xylenes	10.35	106	229970	94.192	ug/l	99
69) o-Xylene	10.70	106	114960	48.066	ug/l	98
70) Styrene	10.71	104	207529	48.926	ug/l	99
71) Bromoform	10.85	173	37902	51.995	ug/l #	99
73) Isopropylbenzene	11.01	105	304273	45.049	ug/l	100
74) N-amyl acetate	10.89	43	97606	48.602	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	76994	53.078	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	66766m	50.657	ug/l	
77) Bromobenzene	11.25	156	78457	50.453	ug/l	97
78) n-propylbenzene	11.35	91	361633	44.337	ug/l	99
79) 2-Chlorotoluene	11.42	91	230873	45.687	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	275466	45.351	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	19161	43.559	ug/l	95
82) 4-Chlorotoluene	11.51	91	278929	45.929	ug/l	99
83) tert-Butylbenzene	11.77	119	264649	44.871	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	288735	45.984	ug/l	99
85) sec-Butylbenzene	11.94	105	313573	44.559	ug/l	99
86) p-Isopropyltoluene	12.06	119	285716	43.941	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	153293	48.391	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	152815	47.707	ug/l	99
89) n-Butylbenzene	12.39	91	274027	42.997	ug/l	99
90) Hexachloroethane	12.59	117	53963	45.056	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	142340	48.575	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	15149	51.164	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	99214	49.027	ug/l	99
94) Hexachlorobutadiene	13.78	225	49152	48.824	ug/l	99
95) Naphthalene	13.83	128	236358	54.426	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	93111	52.003	ug/l	99

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

