

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091019\
 Data File : VX012268.D
 Acq On : 10 Sep 2019 21:32
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 8:59:48 AM

Quant Time: Sep 11 02:33:03 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	131110	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	238670	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	226040	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	112844	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	97242	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	
35) Dibromofluoromethane	5.48	113	75046	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	
50) Toluene-d8	8.71	98	278223	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	
62) 4-Bromofluorobenzene	11.13	95	123158	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	45156	42.126	ug/l	96
3) Chloromethane	1.31	50	43701	45.228	ug/l	100
4) Vinyl Chloride	1.40	62	41873	43.706	ug/l	100
5) Bromomethane	1.62	94	22018	57.389	ug/l	99
6) Chloroethane	1.71	64	28858	45.046	ug/l	99
7) Trichlorofluoromethane	1.92	101	75168	43.352	ug/l	98
8) Diethyl Ether	2.17	74	28613	48.361	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	53109	45.447	ug/l	99
10) Methyl Iodide	2.50	142	44318	39.846	ug/l	98
11) Tert butyl alcohol	3.03	59	45821	232.138	ug/l	100
12) 1,1-Dichloroethene	2.36	96	46634	47.005	ug/l	99
13) Acrolein	2.28	56	18508	191.005	ug/l	99
14) Allyl chloride	2.72	41	93680	46.315	ug/l	98
15) Acrylonitrile	3.13	53	90641	247.833	ug/l	99
16) Acetone	2.43	43	88105	200.781	ug/l	96
17) Carbon Disulfide	2.56	76	92790	44.539	ug/l	99
18) Methyl Acetate	2.76	43	47267	51.248	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	195174	49.816	ug/l	99
20) Methylene Chloride	2.84	84	67530	49.289	ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	56539	47.767	ug/l	97
22) Diisopropyl ether	3.84	45	226649	48.996	ug/l	95
23) Vinyl Acetate	3.80	43	693902	244.493	ug/l	99
24) 1,1-Dichloroethane	3.69	63	121047	48.853	ug/l	99
25) 2-Butanone	4.66	43	130645	232.897	ug/l	100
26) 2,2-Dichloropropane	4.57	77	98246	42.233	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	73908	48.365	ug/l	99
28) Bromochloromethane	5.00	49	63290	54.462	ug/l	98
29) Tetrahydrofuran	5.11	42	78723	260.104	ug/l	99
30) Chloroform	5.20	83	135407	48.462	ug/l	98
31) Cyclohexane	5.56	56	75941	44.121	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	111418	46.440	ug/l	100
36) 1,1-Dichloropropene	5.79	75	77971	44.803	ug/l	99
37) Ethyl Acetate	4.82	43	54629	50.780	ug/l	99
38) Carbon Tetrachloride	5.77	117	90175	44.164	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	82265	43.074	ug/l	98
40) Benzene	6.13	78	250180	47.498	ug/l	97
41) Methacrylonitrile	5.02	41	33850	51.040	ug/l	97
42) 1,2-Dichloroethane	6.18	62	101577	48.794	ug/l	99
43) Isopropyl Acetate	6.43	43	110076	48.532	ug/l	99
44) Trichloroethene	7.20	130	66274	46.494	ug/l	96
45) 1,2-Dichloropropane	7.51	63	69282	47.521	ug/l	100
46) Dibromomethane	7.65	93	39565	49.654	ug/l	99
47) Bromodichloromethane	7.89	83	105901	48.701	ug/l	97
48) Methyl methacrylate	7.76	41	53667	49.433	ug/l	99
49) 1,4-Dioxane	7.73	88	14309	976.759	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	292025	243.954	ug/l	100
52) Toluene	8.78	92	165220	47.490	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	102360	47.163	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	112934	46.925	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	59935	48.551	ug/l	98
56) Ethyl methacrylate	9.17	69	82202	49.180	ug/l	99
57) 1,3-Dichloropropane	9.37	76	102936	48.822	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	224624	262.207	ug/l	100
59) 2-Hexanone	9.48	43	205408	246.791	ug/l	100
60) Dibromochloromethane	9.57	129	70602	48.990	ug/l	98
61) 1,2-Dibromoethane	9.67	107	56208	48.914	ug/l	98
64) Tetrachloroethene	9.33	164	57495	48.095	ug/l	98
65) Chlorobenzene	10.14	112	189596	45.905	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.21	131	74236	47.681	ug/l	99
67) Ethyl Benzene	10.25	91	335284	45.643	ug/l	100
68) m/p-Xylenes	10.35	106	246530	91.170	ug/l	98
69) o-Xylene	10.70	106	122202	46.132	ug/l	99
70) Styrene	10.71	104	222703	47.405	ug/l	100
71) Bromoform	10.85	173	38811	48.072	ug/l #	99
73) Isopropylbenzene	11.01	105	331673	44.647	ug/l	99
74) N-amyl acetate	10.89	43	102960	46.613	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	77842	48.790	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	68234m	47.069	ug/l	
77) Bromobenzene	11.25	156	80671	47.166	ug/l	100
78) n-propylbenzene	11.35	91	402996	44.922	ug/l	100
79) 2-Chlorotoluene	11.42	91	254267	45.748	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	303763	45.469	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	21570	44.582	ug/l	95
82) 4-Chlorotoluene	11.51	91	310693	46.514	ug/l	99
83) tert-Butylbenzene	11.77	119	293537	45.250	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	313787	45.435	ug/l	98
85) sec-Butylbenzene	11.94	105	337986	43.666	ug/l	100
86) p-Isopropyltoluene	12.06	119	325129	45.461	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	160153	45.966	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	163295	46.350	ug/l	98
89) n-Butylbenzene	12.39	91	310239	44.259	ug/l	98
90) Hexachloroethane	12.59	117	58997	44.786	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	149383	46.349	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	14886	45.710	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	100343	45.083	ug/l	100
94) Hexachlorobutadiene	13.78	225	48874	44.139	ug/l	99
95) Naphthalene	13.83	128	225791	47.271	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	89263	45.327	ug/l	97

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

