

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091119\
 Data File : VX012313.D
 Acq On : 11 Sep 2019 20:17
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 9:26:37 AM

Quant Time: Sep 12 06:52:09 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	123318	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	223855	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	210528	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	106805	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	90003	51.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.24%	
35) Dibromofluoromethane	5.48	113	70880	49.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.78%	
50) Toluene-d8	8.71	98	261385	51.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.86%	
62) 4-Bromofluorobenzene	11.14	95	113024	48.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.88%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.19	85	40867	40.534	ug/l	99
3) Chloromethane	1.31	50	43299	47.644	ug/l	100
4) Vinyl Chloride	1.40	62	40616	45.073	ug/l	99
5) Bromomethane	1.62	94	22790	63.667	ug/l	99
6) Chloroethane	1.71	64	27410	45.489	ug/l	100
7) Trichlorofluoromethane	1.92	101	71115	43.606	ug/l	99
8) Diethyl Ether	2.17	74	27879	50.098	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	51348	46.717	ug/l	100
10) Methyl Iodide	2.50	142	35783	34.205	ug/l	99
11) Tert butyl alcohol	3.03	59	43751	235.802	ug/l	97
12) 1,1-Dichloroethene	2.36	96	44163	47.327	ug/l	99
13) Acrolein	2.28	56	23602	258.966	ug/l	98
14) Allyl chloride	2.72	41	89919	47.264	ug/l	99
15) Acrylonitrile	3.13	53	92287	268.278	ug/l	98
16) Acetone	2.43	43	85038	206.037	ug/l	98
17) Carbon Disulfide	2.56	76	86048	43.913	ug/l	98
18) Methyl Acetate	2.76	43	46849	54.004	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	185753	50.407	ug/l	96
20) Methylene Chloride	2.84	84	63678	49.422	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	52743	47.375	ug/l	95
22) Diisopropyl ether	3.84	45	215410	49.509	ug/l	97
23) Vinyl Acetate	3.80	43	688257	257.827	ug/l	98
24) 1,1-Dichloroethane	3.68	63	113181	48.564	ug/l	99
25) 2-Butanone	4.65	43	127768	242.160	ug/l	98
26) 2,2-Dichloropropane	4.56	77	91617	41.872	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	70245	48.872	ug/l	98
28) Bromochloromethane	5.00	49	57547	52.650	ug/l	99
29) Tetrahydrofuran	5.12	42	78287	275.007	ug/l	100
30) Chloroform	5.20	83	127729	48.603	ug/l	98
31) Cyclohexane	5.57	56	72468	44.764	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	105526	46.763	ug/l	99
36) 1,1-Dichloropropene	5.79	75	74638	45.726	ug/l	99
37) Ethyl Acetate	4.82	43	54318	53.833	ug/l	99
38) Carbon Tetrachloride	5.77	117	86155	44.988	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	79798	44.547	ug/l	98
40) Benzene	6.13	78	236699	47.913	ug/l	96
41) Methacrylonitrile	5.03	41	33041	53.117	ug/l	97
42) 1,2-Dichloroethane	6.18	62	96118	49.227	ug/l	99
43) Isopropyl Acetate	6.44	43	109395	51.424	ug/l	99
44) Trichloroethene	7.20	130	63179	47.256	ug/l	98
45) 1,2-Dichloropropane	7.51	63	66201	48.412	ug/l	99
46) Dibromomethane	7.65	93	37933	50.756	ug/l	98
47) Bromodichloromethane	7.89	83	98345	48.220	ug/l	98
48) Methyl methacrylate	7.76	41	53439	52.481	ug/l	97
49) 1,4-Dioxane	7.73	88	14167	1031.067	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	288810	257.236	ug/l	100
52) Toluene	8.78	92	155242	47.575	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	95356	46.843	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	105384	46.686	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	59155	51.090	ug/l	96
56) Ethyl methacrylate	9.17	69	80152	51.127	ug/l	99
57) 1,3-Dichloropropane	9.37	76	100183	50.661	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	210296	261.728	ug/l	100
59) 2-Hexanone	9.48	43	202091	258.875	ug/l	98
60) Dibromochloromethane	9.57	129	67547	49.972	ug/l	99
61) 1,2-Dibromoethane	9.67	107	54500	50.567	ug/l	100
64) Tetrachloroethene	9.33	164	55066	49.457	ug/l	97
65) Chlorobenzene	10.14	112	180076	46.813	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	70492	48.612	ug/l	99
67) Ethyl Benzene	10.25	91	318456	46.547	ug/l	96
68) m/p-Xylenes	10.36	106	235656	93.570	ug/l	97
69) o-Xylene	10.70	106	116494	47.218	ug/l	100
70) Styrene	10.71	104	211177	48.263	ug/l	99
71) Bromoform	10.85	173	37482	49.847	ug/l #	98
73) Isopropylbenzene	11.01	105	318315	45.271	ug/l	100
74) N-amyl acetate	10.89	43	102144	48.858	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	76409	50.599	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	67073m	48.885	ug/l	
77) Bromobenzene	11.25	156	79030	48.819	ug/l	98
78) n-propylbenzene	11.35	91	388690	45.777	ug/l	99
79) 2-Chlorotoluene	11.42	91	244156	46.412	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	298175	47.156	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	20324	44.382	ug/l	96
82) 4-Chlorotoluene	11.51	91	296143	46.843	ug/l	100
83) tert-Butylbenzene	11.77	119	281642	45.871	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	302499	46.278	ug/l	97
85) sec-Butylbenzene	11.94	105	334608	45.674	ug/l	100
86) p-Isopropyltoluene	12.06	119	312273	46.133	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	156648	47.502	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	159650	47.877	ug/l	99
89) n-Butylbenzene	12.39	91	305333	46.022	ug/l	99
90) Hexachloroethane	12.59	117	58529	46.943	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	148513	48.685	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	15663	50.816	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	105644	50.148	ug/l	99
94) Hexachlorobutadiene	13.78	225	52198	49.807	ug/l	98
95) Naphthalene	13.83	128	240858	53.277	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	96687	51.872	ug/l	99

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

