

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091119\
 Data File : VX012315.D
 Acq On : 11 Sep 2019 21:38
 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 9:26:41 AM

Quant Time: Sep 12 06:54:20 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	128638	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	231219	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	218173	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	108121	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	90244	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	
35) Dibromofluoromethane	5.48	113	73724	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	
50) Toluene-d8	8.71	98	275854	53.06	ug/l	0.00
Spiked Amount			Recovery	=	106.12%	
62) 4-Bromofluorobenzene	11.14	95	115827	48.06	ug/l	0.00
Spiked Amount			Recovery	=	96.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	46800	44.499	ug/l	98
3) Chloromethane	1.31	50	47958	50.588	ug/l	98
4) Vinyl Chloride	1.40	62	45992	48.928	ug/l	99
5) Bromomethane	1.63	94	26969	72.912	ug/l	98
6) Chloroethane	1.71	64	31293	49.786	ug/l	96
7) Trichlorofluoromethane	1.92	101	79822	46.921	ug/l	100
8) Diethyl Ether	2.18	74	30199	52.022	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	58735	51.227	ug/l	99
10) Methyl Iodide	2.50	142	43766	40.106	ug/l	99
11) Tert butyl alcohol	3.03	59	42038	216.442	ug/l	99
12) 1,1-Dichloroethene	2.36	96	50350	51.726	ug/l	95
13) Acrolein	2.28	56	22820	240.031	ug/l	95
14) Allyl chloride	2.72	41	99822	50.300	ug/l	99
15) Acrylonitrile	3.13	53	90583	252.434	ug/l	98
16) Acetone	2.43	43	83193	193.231	ug/l	96
17) Carbon Disulfide	2.56	76	97083	47.495	ug/l	97
18) Methyl Acetate	2.76	43	43429	47.991	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	195855	50.950	ug/l	99
20) Methylene Chloride	2.84	84	70566	52.676	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	59534	51.264	ug/l	92
22) Diisopropyl ether	3.84	45	239192	52.702	ug/l	97
23) Vinyl Acetate	3.80	43	704959	253.162	ug/l	100
24) 1,1-Dichloroethane	3.69	63	128486	52.851	ug/l	98
25) 2-Butanone	4.65	43	125992	228.918	ug/l	97
26) 2,2-Dichloropropane	4.57	77	101318	44.391	ug/l	97
27) cis-1,2-Dichloroethene	4.58	96	77207	51.494	ug/l	99
28) Bromochloromethane	5.00	49	58968	51.718	ug/l	99
29) Tetrahydrofuran	5.11	42	75334	253.690	ug/l	98
30) Chloroform	5.20	83	142899	52.126	ug/l	98
31) Cyclohexane	5.57	56	80688	47.780	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	120444	51.167	ug/l	99
36) 1,1-Dichloropropene	5.79	75	85171	50.517	ug/l	99
37) Ethyl Acetate	4.82	43	53384	51.222	ug/l	99
38) Carbon Tetrachloride	5.77	117	97138	49.107	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	89461	48.351	ug/l	98
40) Benzene	6.13	78	262525	51.448	ug/l	97
41) Methacrylonitrile	5.03	41	32595	50.731	ug/l	97
42) 1,2-Dichloroethane	6.18	62	100947	50.054	ug/l	100
43) Isopropyl Acetate	6.43	43	108416	49.341	ug/l	100
44) Trichloroethene	7.20	130	71423	51.721	ug/l	97
45) 1,2-Dichloropropane	7.51	63	72997	51.682	ug/l	99
46) Dibromomethane	7.65	93	40110	51.960	ug/l	98
47) Bromodichloromethane	7.89	83	109035	51.758	ug/l	99
48) Methyl methacrylate	7.76	41	52051	49.490	ug/l	99
49) 1,4-Dioxane	7.73	88	13479	949.752	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	288819	249.051	ug/l	100
52) Toluene	8.78	92	175929	52.198	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	101987	48.505	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	114379	49.057	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	61588	51.498	ug/l	95
56) Ethyl methacrylate	9.17	69	81185	50.137	ug/l	99
57) 1,3-Dichloropropane	9.37	76	106723	52.249	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.31	63	214636	258.622	ug/l	100
59) 2-Hexanone	9.49	43	199354	247.236	ug/l	100
60) Dibromochloromethane	9.57	129	73142	52.388	ug/l	98
61) 1,2-Dibromoethane	9.67	107	56124	50.415	ug/l	100
64) Tetrachloroethene	9.33	164	64153	55.599	ug/l	99
65) Chlorobenzene	10.14	112	202575	50.816	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	78158	52.010	ug/l	100
67) Ethyl Benzene	10.25	91	358641	50.583	ug/l	99
68) m/p-Xylenes	10.35	106	268715	102.957	ug/l	99
69) o-Xylene	10.70	106	129436	50.625	ug/l	99
70) Styrene	10.71	104	235721	51.985	ug/l	99
71) Bromoform	10.85	173	38986	50.030	ug/l #	100
73) Isopropylbenzene	11.01	105	360536	50.652	ug/l	99
74) N-amyl acetate	10.89	43	101042	47.743	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	76040	49.742	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	64669m	46.559	ug/l	
77) Bromobenzene	11.25	156	83332	50.850	ug/l	98
78) n-propylbenzene	11.35	91	432676	50.337	ug/l	99
79) 2-Chlorotoluene	11.42	91	271642	51.009	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	325467	50.845	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	20134	43.432	ug/l	94
82) 4-Chlorotoluene	11.51	91	326905	51.079	ug/l	100
83) tert-Butylbenzene	11.77	119	312881	50.339	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	333284	50.367	ug/l	97
85) sec-Butylbenzene	11.94	105	372790	50.267	ug/l	99
86) p-Isopropyltoluene	12.06	119	347294	50.682	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	169491	50.771	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	172601	51.131	ug/l	99
89) n-Butylbenzene	12.39	91	333344	49.632	ug/l	99
90) Hexachloroethane	12.59	117	62785	49.744	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	158433	51.305	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	14308	45.855	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	106928	50.140	ug/l	99
94) Hexachlorobutadiene	13.78	225	54255	51.139	ug/l	95
95) Naphthalene	13.83	128	224142	48.976	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	95507	50.616	ug/l	98

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

