

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090719\
 Data File : VX012169.D
 Acq On : 07 Sep 2019 09:37
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/9/2019 9:18:50 AM

Quant Time: Sep 08 07:58:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	149763	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	270737	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	239562	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	118643	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	107316	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
35) Dibromofluoromethane	5.48	113	87475	52.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.08%	
50) Toluene-d8	8.71	98	328280	53.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.46%	
62) 4-Bromofluorobenzene	11.13	95	140643	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	65390	47.348	ug/l	99
3) Chloromethane	1.31	50	70742	50.016	ug/l	99
4) Vinyl Chloride	1.40	62	66870	50.252	ug/l	100
5) Bromomethane	1.63	94	35518	53.805	ug/l	100
6) Chloroethane	1.71	64	44340	53.600	ug/l	95
7) Trichlorofluoromethane	1.92	101	111272	53.837	ug/l	100
8) Diethyl Ether	2.17	74	36157	50.623	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.37	101	62709	40.963	ug/l #	82
10) Methyl Iodide	2.50	142	62011	41.406	ug/l	93
11) Tert butyl alcohol	3.03	59	37056	186.698	ug/l	96
12) 1,1-Dichloroethene	2.36	96	59134	40.099	ug/l	87
13) Acrolein	2.28	56	10240	199.557	ug/l	97
14) Allyl chloride	2.72	41	135086	50.624	ug/l	97
15) Acrylonitrile	3.12	53	96735	215.533	ug/l	99
16) Acetone	2.42	43	132450	268.160	ug/l	99
17) Carbon Disulfide	2.56	76	218667	50.737	ug/l	100
18) Methyl Acetate	2.76	43	50562	43.455	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	219329	45.684	ug/l	99
20) Methylene Chloride	2.84	84	85330	43.022	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	85944	49.663	ug/l	93
22) Diisopropyl ether	3.84	45	265229	48.765	ug/l	97
23) Vinyl Acetate	3.80	43	834395	237.152	ug/l	97
24) 1,1-Dichloroethane	3.68	63	156196	49.516	ug/l	97
25) 2-Butanone	4.65	43	153253	243.752	ug/l	96
26) 2,2-Dichloropropane	4.56	77	148888	51.123	ug/l	96
27) cis-1,2-Dichloroethene	4.58	96	95867	47.259	ug/l	88
28) Bromochloromethane	5.00	49	58713	46.628	ug/l #	78
29) Tetrahydrofuran	5.11	42	81427	214.957	ug/l	98
30) Chloroform	5.19	83	164933	48.728	ug/l	96
31) Cyclohexane	5.57	56	121103	47.802	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	150478	51.045	ug/l	97
36) 1,1-Dichloropropene	5.78	75	119431	50.086	ug/l	96
37) Ethyl Acetate	4.81	43	58127	44.828	ug/l	99
38) Carbon Tetrachloride	5.76	117	128472	51.130	ug/l	95

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	130140	47.024	ug/l	93
40) Benzene	6.13	78	336635	49.176	ug/l	98
41) Methacrylonitrile	5.02	41	35139	45.442	ug/l	97
42) 1,2-Dichloroethane	6.18	62	122202	49.606	ug/l	97
43) Isopropyl Acetate	6.43	43	118710	45.024	ug/l	98
44) Trichloroethene	7.20	130	90315	48.915	ug/l	81
45) 1,2-Dichloropropane	7.50	63	85020	48.071	ug/l	99
46) Dibromomethane	7.65	93	48140	46.627	ug/l #	74
47) Bromodichloromethane	7.89	83	128251	48.870	ug/l	97
48) Methyl methacrylate	7.76	41	60111	45.343	ug/l	95
49) 1,4-Dioxane	7.73	88	13974	773.240	ug/l	92
51) 4-Methyl-2-Pentanone	8.63	43	297345	221.724	ug/l	97
52) Toluene	8.78	92	216147	48.529	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	127099	46.779	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	145644	48.205	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	67735	45.889	ug/l	97
56) Ethyl methacrylate	9.17	69	95576	45.205	ug/l	95
57) 1,3-Dichloropropane	9.36	76	117249	46.032	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.30	63	209565	219.855	ug/l	94
59) 2-Hexanone	9.48	43	233777	238.904	ug/l	96
60) Dibromochloromethane	9.57	129	82202	46.727	ug/l	99
61) 1,2-Dibromoethane	9.67	107	65672	46.043	ug/l	98
64) Tetrachloroethene	9.33	164	76591	51.282	ug/l #	88
65) Chlorobenzene	10.13	112	234038	49.514	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	87937	50.880	ug/l	97
67) Ethyl Benzene	10.25	91	439644	51.027	ug/l	96
68) m/p-Xylenes	10.36	106	320503	100.964	ug/l	91
69) o-Xylene	10.70	106	152440	49.522	ug/l	89
70) Styrene	10.71	104	266212	49.791	ug/l	95
71) Bromoform	10.85	173	43827	46.169	ug/l #	98
73) Isopropylbenzene	11.01	105	424316	48.744	ug/l	96
74) N-amyl acetate	10.89	43	115896	45.029	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	76724	42.278	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	72564m	50.057	ug/l	
77) Bromobenzene	11.25	156	92631	47.579	ug/l #	68
78) n-propylbenzene	11.35	91	508413	48.344	ug/l	94
79) 2-Chlorotoluene	11.42	91	306222	48.063	ug/l	90
80) 1,3,5-Trimethylbenzene	11.50	105	374029	49.030	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.07	75	24512	39.976	ug/l	87
82) 4-Chlorotoluene	11.51	91	369949	48.716	ug/l	90
83) tert-Butylbenzene	11.76	119	359609	49.458	ug/l	91
84) 1,2,4-Trimethylbenzene	11.80	105	386830	49.338	ug/l	93
85) sec-Butylbenzene	11.94	105	443905	49.153	ug/l	93
86) p-Isopropyltoluene	12.06	119	404350	49.232	ug/l	94
87) 1,3-Dichlorobenzene	12.02	146	190139	48.739	ug/l	93
88) 1,4-Dichlorobenzene	12.09	146	188530	48.332	ug/l	93
89) n-Butylbenzene	12.39	91	386288	48.417	ug/l	96
90) Hexachloroethane	12.59	117	75474	46.023	ug/l	58
91) 1,2-Dichlorobenzene	12.39	146	168250	47.887	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	12.99	75	16235	42.751	ug/l	63

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	119218	47.672	ug/l	97
94) Hexachlorobutadiene	13.78	225	61808	49.030	ug/l	98
95) Naphthalene	13.83	128	241500	44.620	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	105432	47.921	ug/l	94

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

