

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090519\
 Data File : VX012092.D
 Acq On : 05 Sep 2019 10:54
 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
 9/6/2019 12:31:26 PM

Quant Time: Sep 06 05:52:13 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	5.65	168	137590	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	245241	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	221491	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	106718	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	93101	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	
35) Dibromofluoromethane	5.48	113	74361	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	
50) Toluene-d8	8.71	98	284766	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
62) 4-Bromofluorobenzene	11.14	95	121073	47.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	66176	52.156	ug/l	98
3) Chloromethane	1.31	50	69159	53.223	ug/l	99
4) Vinyl Chloride	1.39	62	65588	53.649	ug/l	100
5) Bromomethane	1.63	94	39361	64.902	ug/l	98
6) Chloroethane	1.71	64	42363	55.741	ug/l	98
7) Trichlorofluoromethane	1.92	101	107494	56.610	ug/l	99
8) Diethyl Ether	2.17	74	34562	52.671	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.37	101	76569	54.442	ug/l #	83
10) Methyl Iodide	2.50	142	61847	44.352	ug/l	94
11) Tert butyl alcohol	3.03	59	37688	206.681	ug/l #	94
12) 1,1-Dichloroethene	2.36	96	72690	53.652	ug/l	89
13) Acrolein	2.28	56	8668	181.246	ug/l	93
14) Allyl chloride	2.72	41	134888	55.022	ug/l	97
15) Acrylonitrile	3.12	53	99287	240.790	ug/l	99
16) Acetone	2.43	43	112676	248.308	ug/l	99
17) Carbon Disulfide	2.56	76	222583	56.214	ug/l	99
18) Methyl Acetate	2.76	43	49580	46.381	ug/l	97
19) Methyl tert-butyl Ether	3.18	73	221502	50.218	ug/l	100
20) Methylene Chloride	2.84	84	86372	47.400	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	84489	53.142	ug/l	94
22) Diisopropyl ether	3.84	45	262046	52.442	ug/l	97
23) Vinyl Acetate	3.80	43	856803	265.066	ug/l	99
24) 1,1-Dichloroethane	3.68	63	154791	53.412	ug/l	99
25) 2-Butanone	4.65	43	144359	249.920	ug/l	99
26) 2,2-Dichloropropane	4.56	77	149699	55.949	ug/l	95
27) cis-1,2-Dichloroethene	4.58	96	98027	52.599	ug/l	92
28) Bromochloromethane	5.00	49	47978	41.474	ug/l #	79
29) Tetrahydrofuran	5.11	42	81844	235.173	ug/l	99
30) Chloroform	5.19	83	163881	52.701	ug/l	100
31) Cyclohexane	5.56	56	122273	52.534	ug/l	100
32) 1,1,1-Trichloroethane	5.48	97	149454	55.183	ug/l	97
36) 1,1-Dichloropropene	5.78	75	119122	55.150	ug/l	95
37) Ethyl Acetate	4.81	43	59484	50.644	ug/l	99
38) Carbon Tetrachloride	5.77	117	128235	56.342	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	134673	53.721	ug/l	95
40) Benzene	6.13	78	338078	54.522	ug/l	99
41) Methacrylonitrile	5.02	41	36842	52.597	ug/l	96
42) 1,2-Dichloroethane	6.18	62	124270	55.690	ug/l	96
43) Isopropyl Acetate	6.43	43	124254	52.027	ug/l	97
44) Trichloroethene	7.20	130	90817	54.301	ug/l	81
45) 1,2-Dichloropropane	7.50	63	84620	52.819	ug/l	97
46) Dibromomethane	7.65	93	49793	53.242	ug/l #	74
47) Bromodichloromethane	7.89	83	126314	53.135	ug/l #	95
48) Methyl methacrylate	7.76	41	61932	51.574	ug/l	94
49) 1,4-Dioxane	7.73	88	14561	889.487	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	305574	251.549	ug/l	97
52) Toluene	8.78	92	219170	54.323	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	128864	52.360	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	144695	52.870	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	68328	51.103	ug/l	96
56) Ethyl methacrylate	9.17	69	96399	50.334	ug/l	95
57) 1,3-Dichloropropane	9.37	76	119909	51.971	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	198328	229.697	ug/l	94
59) 2-Hexanone	9.48	43	225674	254.599	ug/l	98
60) Dibromochloromethane	9.57	129	83947	52.680	ug/l	99
61) 1,2-Dibromoethane	9.67	107	66887	51.770	ug/l	97
64) Tetrachloroethene	9.33	164	74800	54.169	ug/l #	86
65) Chlorobenzene	10.14	112	233339	53.394	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	86375	54.054	ug/l	98
67) Ethyl Benzene	10.25	91	436184	54.756	ug/l	96
68) m/p-Xylenes	10.35	106	319005	108.691	ug/l	90
69) o-Xylene	10.70	106	151907	53.376	ug/l	90
70) Styrene	10.71	104	266024	53.815	ug/l	95
71) Bromoform	10.85	173	44749	50.986	ug/l #	98
73) Isopropylbenzene	11.01	105	423587	54.097	ug/l	97
74) N-amyl acetate	10.89	43	116373	50.267	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	79058	48.432	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	62749m	48.123	ug/l	
77) Bromobenzene	11.25	156	91850	52.450	ug/l #	68
78) n-propylbenzene	11.35	91	515281	54.472	ug/l	93
79) 2-Chlorotoluene	11.42	91	312441	54.519	ug/l	89
80) 1,3,5-Trimethylbenzene	11.50	105	374474	54.574	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.07	75	26328	47.735	ug/l	93
82) 4-Chlorotoluene	11.51	91	369429	54.084	ug/l	90
83) tert-Butylbenzene	11.77	119	361910	55.337	ug/l	91
84) 1,2,4-Trimethylbenzene	11.81	105	378074	53.609	ug/l	94
85) sec-Butylbenzene	11.94	105	434978	53.547	ug/l	95
86) p-Isopropyltoluene	12.06	119	395853	53.583	ug/l	94
87) 1,3-Dichlorobenzene	12.02	146	183581	52.316	ug/l	95
88) 1,4-Dichlorobenzene	12.09	146	186313	53.100	ug/l	94
89) n-Butylbenzene	12.39	91	392333	54.669	ug/l	95
90) Hexachloroethane	12.59	117	75183	50.969	ug/l	57
91) 1,2-Dichlorobenzene	12.39	146	167937	53.139	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	12.99	75	16352	47.870	ug/l	64

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	112202	49.880	ug/l	96
94) Hexachlorobutadiene	13.78	225	59846	52.779	ug/l	98
95) Naphthalene	13.83	128	235598	48.393	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	97204	49.118	ug/l	96

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

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