

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091019\
 Data File : VX012246.D
 Acq On : 10 Sep 2019 09:34
 Operator : SY/SP
 Sample : VSTDIC010
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 9:00:23 AM

Quant Time: Sep 10 11:55:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 11:06:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	161615	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	287248	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	265794	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	125821	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	22061	9.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.34%	
35) Dibromofluoromethane	5.48	113	19019	9.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.76%	
50) Toluene-d8	8.71	98	59690	8.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.74%	
62) 4-Bromofluorobenzene	11.14	95	31597	10.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	13835	10.708	ug/l	98
3) Chloromethane	1.31	50	11827	9.498	ug/l	96
4) Vinyl Chloride	1.39	62	11714	9.823	ug/l	96
5) Bromomethane	1.62	94	6431	14.875	ug/l	93
6) Chloroethane	1.71	64	7692	10.275	ug/l	99
7) Trichlorofluoromethane	1.92	101	21685	10.690	ug/l	97
8) Diethyl Ether	2.17	74	7064	7.836	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	15016	9.937	ug/l	99
10) Methyl Iodide	2.50	142	11633	7.839	ug/l	100
11) Tert butyl alcohol	3.03	59	11928m	53.304	ug/l	
12) 1,1-Dichloroethene	2.36	96	12703	9.981	ug/l	93
13) Acrolein	2.28	56	5655	41.684	ug/l	97
14) Allyl chloride	2.72	41	23148	8.813	ug/l	97
15) Acrylonitrile	3.13	53	20945	42.041	ug/l	98
16) Acetone	2.43	43	27424	53.913	ug/l	94
17) Carbon Disulfide	2.55	76	25185	9.615	ug/l	97
18) Methyl Acetate	2.76	43	10658	8.246	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	45632	8.716	ug/l	96
20) Methylene Chloride	2.84	84	19515	9.143	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	14235	9.240	ug/l	95
22) Diisopropyl ether	3.84	45	54104	8.835	ug/l #	87
23) Vinyl Acetate	3.80	43	160512	42.934	ug/l	98
24) 1,1-Dichloroethane	3.69	63	29273	8.955	ug/l	99
25) 2-Butanone	4.66	43	33102	47.466	ug/l	94
26) 2,2-Dichloropropane	4.57	77	28039	9.249	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	18030	8.883	ug/l	99
28) Bromochloromethane	5.00	49	13658	9.110	ug/l	98
29) Tetrahydrofuran	5.11	42	16801	39.723	ug/l	95
30) Chloroform	5.19	83	33753	9.025	ug/l	93
31) Cyclohexane	5.56	56	20946	9.528	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	29354	9.476	ug/l	98
36) 1,1-Dichloropropene	5.78	75	21309	9.642	ug/l	98
37) Ethyl Acetate	4.83	43	11476	7.861	ug/l #	90
38) Carbon Tetrachloride	5.76	117	24284	9.594	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	23127	9.944	ug/l	98
40) Benzene	6.13	78	62236	9.282	ug/l	93
41) Methacrylonitrile	5.03	41	7471	8.291	ug/l	96
42) 1,2-Dichloroethane	6.19	62	24397	9.004	ug/l	98
43) Isopropyl Acetate	6.44	43	25009	8.275	ug/l	98
44) Trichloroethene	7.20	130	17029	9.417	ug/l	99
45) 1,2-Dichloropropane	7.50	63	16863	8.910	ug/l	92
46) Dibromomethane	7.66	93	9099	8.453	ug/l	97
47) Bromodichloromethane	7.89	83	23703	8.227	ug/l	96
48) Methyl methacrylate	7.76	41	12072	8.312	ug/l	99
49) 1,4-Dioxane	7.74	88	3110	152.571	ug/l	95
51) 4-Methyl-2-Pentanone	8.64	43	65921	41.922	ug/l	100
52) Toluene	8.78	92	41621	9.345	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	23715	8.256	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	27547	8.790	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	14138	8.654	ug/l	97
56) Ethyl methacrylate	9.17	69	18324	8.023	ug/l	99
57) 1,3-Dichloropropane	9.37	76	23935	8.571	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.31	63	48825	45.017	ug/l	98
59) 2-Hexanone	9.49	43	44602	39.923	ug/l	99
60) Dibromochloromethane	9.57	129	15032	7.758	ug/l	94
61) 1,2-Dibromoethane	9.67	107	12878	8.454	ug/l	98
64) Tetrachloroethene	9.33	164	13608	9.175	ug/l	98
65) Chlorobenzene	10.14	112	46447	8.726	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	16938	8.311	ug/l	99
67) Ethyl Benzene	10.25	91	83520	8.946	ug/l	99
68) m/p-Xylenes	10.36	106	61046	17.729	ug/l	98
69) o-Xylene	10.70	106	29983	8.925	ug/l	100
70) Styrene	10.71	104	50220	8.313	ug/l	97
71) Bromoform	10.85	173	8355	7.862	ug/l #	99
73) Isopropylbenzene	11.01	105	83649	9.275	ug/l	99
74) N-amyl acetate	10.89	43	22108	7.661	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.26	83	17110	8.441	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	14857m	8.451	ug/l	
77) Bromobenzene	11.25	156	18991	8.810	ug/l	98
78) n-propylbenzene	11.35	91	98672	9.091	ug/l	98
79) 2-Chlorotoluene	11.42	91	62056	9.160	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	73753	9.035	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	4693	7.372	ug/l	94
82) 4-Chlorotoluene	11.51	91	73711	8.888	ug/l	98
83) tert-Butylbenzene	11.76	119	73005	9.224	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	74537	8.829	ug/l	99
85) sec-Butylbenzene	11.94	105	86433	9.291	ug/l	99
86) p-Isopropyltoluene	12.06	119	78737	9.129	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	38020	8.894	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	38381	8.953	ug/l	95
89) n-Butylbenzene	12.39	91	76074	9.194	ug/l	99
90) Hexachloroethane	12.59	117	13550	8.566	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	34021	8.505	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	3343	8.320	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	23146	8.750	ug/l	99
94) Hexachlorobutadiene	13.78	225	11649	9.103	ug/l	99
95) Naphthalene	13.83	128	47024	8.096	ug/l	98
96) 1,2,3-Trichlorobenzene	14.02	180	19617	8.481	ug/l	95

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

