

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091619\
 Data File : VX012403.D
 Acq On : 16 Sep 2019 12:47
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/23/2019 5:04:02 PM

Quant Time: Sep 17 04:28:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 04:04:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	121044	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	191264	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	180517	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	101476	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	14414	9.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.48%	
35) Dibromofluoromethane	5.49	113	11096	8.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	16.30%	
50) Toluene-d8	8.71	98	34799	7.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	14.60%	
62) 4-Bromofluorobenzene	11.14	95	15896	8.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	16.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	4071	3.625	ug/l	97
3) Chloromethane	1.32	50	3863	3.887	ug/l #	88
4) Vinyl Chloride	1.40	62	3831	3.806	ug/l	94
5) Bromomethane	1.63	94	2264	4.317	ug/l	93
6) Chloroethane	1.70	64	3455	5.823	ug/l	97
7) Trichlorofluoromethane	1.92	101	9194	5.565	ug/l	100
8) Diethyl Ether	2.18	74	4135	7.033	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	6692	6.381	ug/l	97
10) Methyl Iodide	2.50	142	5254	4.347	ug/l	94
11) Tert butyl alcohol	3.05	59	17001m	53.565	ug/l	
12) 1,1-Dichloroethene	2.36	96	5230	5.285	ug/l	98
13) Acrolein	2.28	56	8150	63.115	ug/l	95
14) Allyl chloride	2.72	41	11794	7.111	ug/l	99
15) Acrylonitrile	3.14	53	26527	41.832	ug/l	99
16) Acetone	2.44	43	32134	51.888	ug/l	94
17) Carbon Disulfide	2.56	76	5272	2.332	ug/l #	87
18) Methyl Acetate	2.76	43	12899	8.026	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	30285	8.564	ug/l	96
20) Methylene Chloride	2.85	84	7680	6.660	ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	5441	5.165	ug/l	93
22) Diisopropyl ether	3.85	45	28482	8.425	ug/l	97
23) Vinyl Acetate	3.81	43	115356	40.996	ug/l	98
24) 1,1-Dichloroethane	3.69	63	14373	7.576	ug/l	96
25) 2-Butanone	4.67	43	43141	47.653	ug/l	99
26) 2,2-Dichloropropane	4.58	77	13869	8.319	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	8124	6.379	ug/l	86
28) Bromochloromethane	5.01	49	7261	8.272	ug/l	99
29) Tetrahydrofuran	5.12	42	24191	42.969	ug/l	98
30) Chloroform	5.20	83	16400	7.857	ug/l	95
31) Cyclohexane	5.57	56	7619	4.937	ug/l #	83
32) 1,1,1-Trichloroethane	5.49	97	13770	7.649	ug/l	98
36) 1,1-Dichloropropene	5.79	75	8468	5.452	ug/l	99
37) Ethyl Acetate	4.82	43	14252	7.963	ug/l	95
38) Carbon Tetrachloride	5.78	117	10353	5.727	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	7544	4.092	ug/l	94
40) Benzene	6.14	78	27421	5.638	ug/l	97
41) Methacrylonitrile	5.03	41	7745	7.318	ug/l #	90
42) 1,2-Dichloroethane	6.18	62	13070	7.060	ug/l	97
43) Isopropyl Acetate	6.44	43	24212	8.220	ug/l	98
44) Trichloroethene	7.21	130	7203	4.947	ug/l	89
45) 1,2-Dichloropropane	7.51	63	8243	6.558	ug/l	97
46) Dibromomethane	7.65	93	5656	6.206	ug/l	94
47) Bromodichloromethane	7.89	83	12243	7.103	ug/l	99
48) Methyl methacrylate	7.76	41	10388	7.207	ug/l	97
49) 1,4-Dioxane	7.74	88	5705	145.814	ug/l	95
51) 4-Methyl-2-Pentanone	8.64	43	79409	40.876	ug/l	100
52) Toluene	8.78	92	17315	5.516	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	12009	6.667	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	12792	6.598	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	9576	7.058	ug/l	98
56) Ethyl methacrylate	9.17	69	14052	7.184	ug/l	100
57) 1,3-Dichloropropane	9.37	76	15283	6.894	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	38395	37.014	ug/l	98
59) 2-Hexanone	9.49	43	60505	40.728	ug/l	99
60) Dibromochloromethane	9.57	129	9093	6.176	ug/l	99
61) 1,2-Dibromoethane	9.67	107	8683	6.133	ug/l	98
64) Tetrachloroethene	9.33	164	6084	4.357	ug/l	97
65) Chlorobenzene	10.14	112	21325	5.773	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	9008	6.368	ug/l	99
67) Ethyl Benzene	10.25	91	35912	5.837	ug/l	98
68) m/p-Xylenes	10.35	106	26133	11.153	ug/l	99
69) o-Xylene	10.70	106	13269	5.694	ug/l	97
70) Styrene	10.71	104	23187	5.875	ug/l	99
71) Bromoform	10.85	173	6289	5.267	ug/l #	99
73) Isopropylbenzene	11.01	105	37292	5.865	ug/l	98
74) N-amyl acetate	10.89	43	19967	7.548	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	16077	7.316	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	14593m	7.429	ug/l	
77) Bromobenzene	11.25	156	9778	5.336	ug/l	98
78) n-propylbenzene	11.35	91	40430	5.909	ug/l	98
79) 2-Chlorotoluene	11.42	91	26763	6.236	ug/l	97
80) 1,3,5-Trimethylbenzene	11.50	105	33434	6.267	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	4351	6.620	ug/l	93
82) 4-Chlorotoluene	11.51	91	31777	6.395	ug/l	99
83) tert-Butylbenzene	11.77	119	34440	6.467	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	33125	6.134	ug/l	97
85) sec-Butylbenzene	11.94	105	38818	6.367	ug/l	99
86) p-Isopropyltoluene	12.06	119	34142	5.893	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	17929	5.646	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	17793	5.509	ug/l	90
89) n-Butylbenzene	12.39	91	29580	6.078	ug/l	99
90) Hexachloroethane	12.59	117	6456	6.860	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	19017	5.883	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.99	75	4022	7.644	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	11927	5.122	ug/l	99
94) Hexachlorobutadiene	13.78	225	6148	4.866	ug/l	96
95) Naphthalene	13.83	128	40804	6.024	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	12441	5.296	ug/l	98

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

