

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081519\
 Data File : VX011565.D
 Acq On : 15 Aug 2019 18:27
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 8/16/2019 8:29:26 AM

Quant Time: Aug 16 04:02:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 03:49:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	403303	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	549681	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	500459	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	270927	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	75028	18.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.12%	
35) Dibromofluoromethane	5.49	113	73108	21.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.22%	
50) Toluene-d8	8.71	98	226856	18.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.04%	
62) 4-Bromofluorobenzene	11.13	95	93134	19.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.58%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.19	85	88294	23.343	ug/l 100
3) Chloromethane	1.32	50	78692	21.009	ug/l 99
4) Vinyl Chloride	1.40	62	74021	19.715	ug/l 97
5) Bromomethane	1.64	94	35663	17.324	ug/l 97
6) Chloroethane	1.72	64	36249	15.850	ug/l 99
7) Trichlorofluoromethane	1.92	101	98536	15.922	ug/l 97
8) Diethyl Ether	2.18	74	34872	16.269	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	69550	19.099	ug/l 98
10) Methyl Iodide	2.50	142	97842	20.236	ug/l 99
11) Tert butyl alcohol	3.04	59	89191	89.364	ug/l 99
12) 1,1-Dichloroethene	2.37	96	64707	18.233	ug/l 98
13) Acrolein	2.29	56	26379	50.932	ug/l 96
14) Allyl chloride	2.72	41	111594	20.983	ug/l 99
15) Acrylonitrile	3.14	53	210837	102.851	ug/l 100
16) Acetone	2.43	43	181265	93.916	ug/l 99
17) Carbon Disulfide	2.56	76	152047	16.886	ug/l 98
18) Methyl Acetate	2.76	43	117467	24.774	ug/l 99
19) Methyl tert-butyl Ether	3.18	73	226054	19.483	ug/l 97
20) Methylene Chloride	2.85	84	75372	18.471	ug/l 99
21) trans-1,2-Dichloroethene	3.16	96	71378	18.840	ug/l 96
22) Diisopropyl ether	3.85	45	228499	20.463	ug/l 97
23) Vinyl Acetate	3.81	43	909577	97.766	ug/l 99
24) 1,1-Dichloroethane	3.69	63	125231	19.479	ug/l 99
25) 2-Butanone	4.67	43	297170	105.323	ug/l 95
26) 2,2-Dichloropropane	4.58	77	94298	18.145	ug/l 99
27) cis-1,2-Dichloroethene	4.59	96	81492	18.481	ug/l 97
28) Bromochloromethane	5.01	49	56987	18.946	ug/l 98
29) Tetrahydrofuran	5.12	42	191965	106.340	ug/l 99
30) Chloroform	5.20	83	132804	19.162	ug/l 100
31) Cyclohexane	5.57	56	111699	19.174	ug/l 96
32) 1,1,1-Trichloroethane	5.49	97	115704	19.328	ug/l 99
36) 1,1-Dichloropropene	5.79	75	94815	20.764	ug/l 99
37) Ethyl Acetate	4.83	43	109797	23.079	ug/l 99
38) Carbon Tetrachloride	5.78	117	101310	21.116	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	115252	19.626	ug/l	95
40) Benzene	6.14	78	294225	21.022	ug/l	100
41) Methacrylonitrile	5.04	41	62320	22.805	ug/l	98
42) 1,2-Dichloroethane	6.18	62	103185	21.036	ug/l	100
43) Isopropyl Acetate	6.44	43	166701	21.438	ug/l	99
44) Trichloroethene	7.21	130	86171	20.773	ug/l	100
45) 1,2-Dichloropropane	7.51	63	73272	20.496	ug/l	99
46) Dibromomethane	7.66	93	51160	20.211	ug/l	99
47) Bromodichloromethane	7.90	83	95535	20.971	ug/l	97
48) Methyl methacrylate	7.77	41	83567	21.832	ug/l	100
49) 1,4-Dioxane	7.74	88	43780	415.473	ug/l	100
51) 4-Methyl-2-Pentanone	8.63	43	566326	111.894	ug/l	100
52) Toluene	8.78	92	187825	20.513	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	98489	20.173	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	111497	20.583	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	79395	20.976	ug/l	98
56) Ethyl methacrylate	9.18	69	117341	21.155	ug/l	100
57) 1,3-Dichloropropane	9.37	76	127955	21.257	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	297376	111.538	ug/l	99
59) 2-Hexanone	9.49	43	436476	111.543	ug/l	100
60) Dibromochloromethane	9.58	129	82781	21.380	ug/l	99
61) 1,2-Dibromoethane	9.67	107	83995	20.888	ug/l	100
64) Tetrachloroethene	9.34	164	80027	20.049	ug/l	97
65) Chlorobenzene	10.13	112	212685	20.392	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	78691	21.353	ug/l	100
67) Ethyl Benzene	10.25	91	358606	20.362	ug/l	99
68) m/p-Xylenes	10.35	106	279884	41.282	ug/l	98
69) o-Xylene	10.69	106	136130	20.643	ug/l	97
70) Styrene	10.71	104	228835	20.762	ug/l	99
71) Bromoform	10.85	173	65282	21.956	ug/l #	99
73) Isopropylbenzene	11.02	105	361080	19.703	ug/l	100
74) N-amyl acetate	10.90	43	146365	20.720	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	122149	20.298	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	104705m	21.137	ug/l	
77) Bromobenzene	11.25	156	104924	20.510	ug/l	100
78) n-propylbenzene	11.36	91	390941	19.386	ug/l	99
79) 2-Chlorotoluene	11.42	91	240102	19.726	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	307401	20.093	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	31494	17.691	ug/l	91
82) 4-Chlorotoluene	11.51	91	274693	19.432	ug/l	100
83) tert-Butylbenzene	11.77	119	310472	20.523	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	308977	20.005	ug/l	100
85) sec-Butylbenzene	11.94	105	348474	19.817	ug/l	99
86) p-Isopropyltoluene	12.06	119	329778	20.175	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	179006	20.232	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	183015	20.214	ug/l	99
89) n-Butylbenzene	12.38	91	265334	19.156	ug/l	100
90) Hexachloroethane	12.59	117	49435	19.248	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	181709	20.707	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	26734	21.034	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	131507	21.712	ug/l	100
94) Hexachlorobutadiene	13.78	225	72340	23.624	ug/l	99
95) Naphthalene	13.83	128	385773	21.688	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	133556	22.075	ug/l	99

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

