

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082219\
 Data File : VX011750.D
 Acq On : 22 Aug 2019 09:43
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 8/23/2019 1:55:45 PM

Quant Time: Aug 23 01:41:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 01:19:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	405662	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	540293	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	493625	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	258147	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	75814	19.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.20%	
35) Dibromofluoromethane	5.49	113	64912	18.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.26%	
50) Toluene-d8	8.71	98	237772	20.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.40%	
62) 4-Bromofluorobenzene	11.13	95	86584	18.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	81541	20.650	ug/l	99
3) Chloromethane	1.32	50	67199	16.589	ug/l	98
4) Vinyl Chloride	1.40	62	63794	17.438	ug/l	100
5) Bromomethane	1.64	94	36774	21.673	ug/l	98
6) Chloroethane	1.72	64	38050	20.883	ug/l	97
7) Trichlorofluoromethane	1.93	101	102457	19.661	ug/l	99
8) Diethyl Ether	2.18	74	35033	19.775	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	63162	17.803	ug/l	97
10) Methyl Iodide	2.50	142	78898	16.044	ug/l	98
11) Tert butyl alcohol	3.03	59	80258	88.992	ug/l	98
12) 1,1-Dichloroethene	2.37	96	60912	17.825	ug/l	94
13) Acrolein	2.29	56	25119	81.541	ug/l	98
14) Allyl chloride	2.72	41	99012	17.461	ug/l	99
15) Acrylonitrile	3.13	53	183262	88.341	ug/l	97
16) Acetone	2.43	43	187624	99.702	ug/l	99
17) Carbon Disulfide	2.56	76	153091	18.718	ug/l	100
18) Methyl Acetate	2.76	43	100668	17.587	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	202846	18.261	ug/l	97
20) Methylene Chloride	2.85	84	68561	17.383	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	66194	18.152	ug/l	93
22) Diisopropyl ether	3.85	45	194691	17.428	ug/l	95
23) Vinyl Acetate	3.81	43	794425	89.123	ug/l	100
24) 1,1-Dichloroethane	3.69	63	111653	17.485	ug/l	99
25) 2-Butanone	4.67	43	257973	89.137	ug/l	99
26) 2,2-Dichloropropane	4.58	77	88519	18.141	ug/l #	74
27) cis-1,2-Dichloroethene	4.59	96	74144	17.573	ug/l	99
28) Bromochloromethane	5.01	49	53803	19.101	ug/l	98
29) Tetrahydrofuran	5.12	42	164568	86.552	ug/l	99
30) Chloroform	5.21	83	118634	17.590	ug/l	97
31) Cyclohexane	5.57	56	101607	18.461	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	105704	18.142	ug/l	99
36) 1,1-Dichloropropene	5.79	75	86876	19.111	ug/l	97
37) Ethyl Acetate	4.82	43	92662	17.822	ug/l	100
38) Carbon Tetrachloride	5.78	117	93711	18.651	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	104849	18.503	ug/l	97
40) Benzene	6.13	78	251467	17.833	ug/l	99
41) Methacrylonitrile	5.03	41	51349	18.048	ug/l	97
42) 1,2-Dichloroethane	6.18	62	92519	18.767	ug/l	100
43) Isopropyl Acetate	6.44	43	143059	17.583	ug/l	99
44) Trichloroethene	7.21	130	79027	18.718	ug/l	97
45) 1,2-Dichloropropane	7.51	63	64471	18.323	ug/l	96
46) Dibromomethane	7.66	93	46666	18.096	ug/l	98
47) Bromodichloromethane	7.89	83	84918	17.995	ug/l	100
48) Methyl methacrylate	7.77	41	73647	18.296	ug/l	99
49) 1,4-Dioxane	7.73	88	39413	367.016	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	494759	93.328	ug/l	100
52) Toluene	8.78	92	172106	19.029	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	90293	18.447	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	101391	18.970	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	72001	18.773	ug/l	99
56) Ethyl methacrylate	9.18	69	102150	18.347	ug/l	99
57) 1,3-Dichloropropane	9.37	76	112703	18.617	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	268633	95.799	ug/l	100
59) 2-Hexanone	9.49	43	380137	92.853	ug/l	99
60) Dibromochloromethane	9.58	129	74286	18.632	ug/l	97
61) 1,2-Dibromoethane	9.67	107	76881	18.752	ug/l	100
64) Tetrachloroethene	9.34	164	80648	19.767	ug/l	95
65) Chlorobenzene	10.13	112	188066	18.147	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	70140	18.048	ug/l	99
67) Ethyl Benzene	10.25	91	315240	18.058	ug/l	97
68) m/p-Xylenes	10.35	106	246917	36.822	ug/l	98
69) o-Xylene	10.69	106	117932	17.940	ug/l	100
70) Styrene	10.71	104	197591	17.949	ug/l	99
71) Bromoform	10.85	173	57966	17.574	ug/l #	98
73) Isopropylbenzene	11.02	105	326001	19.690	ug/l	100
74) N-amyl acetate	10.90	43	125541	18.075	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	104741	18.594	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	91546m	19.028	ug/l	
77) Bromobenzene	11.26	156	93922	19.173	ug/l	99
78) n-propylbenzene	11.36	91	350619	19.643	ug/l	99
79) 2-Chlorotoluene	11.42	91	209056	19.096	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	270200	19.426	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	27213	16.785	ug/l	87
82) 4-Chlorotoluene	11.51	91	244271	19.213	ug/l	99
83) tert-Butylbenzene	11.77	119	264397	18.732	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	277842	19.924	ug/l	98
85) sec-Butylbenzene	11.94	105	301987	19.036	ug/l	100
86) p-Isopropyltoluene	12.06	119	292350	19.483	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	159056	18.806	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	157143	18.340	ug/l	99
89) n-Butylbenzene	12.38	91	242670	19.644	ug/l	99
90) Hexachloroethane	12.59	117	43861	18.490	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	162952	19.213	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	23354	17.964	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	114530	18.123	ug/l	99
94) Hexachlorobutadiene	13.78	225	59921	17.625	ug/l	99
95) Naphthalene	13.83	128	339012	19.151	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	121521	19.108	ug/l	100

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

