

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022519\
 Data File : VX007664.D
 Acq On : 25 Feb 2019 10:41
 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
 2/26/2019 2:57:29 PM

Quant Time: Feb 25 11:43:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 25 11:30:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	348229	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	552374	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	488522	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	238469	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	83383	22.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	45.12%	
35) Dibromofluoromethane	5.51	113	75415	20.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.96%	
50) Toluene-d8	8.71	98	273040	20.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.96%	
62) 4-Bromofluorobenzene	11.13	95	92951	19.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.18%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.20	85	64911	16.722	ug/l	95
3) Chloromethane	1.34	50	68002	17.337	ug/l	98
4) Vinyl Chloride	1.42	62	70249	18.256	ug/l	99
5) Bromomethane	1.65	94	49294	11.254	ug/l	99
6) Chloroethane	1.73	64	44055	17.699	ug/l	97
7) Trichlorofluoromethane	1.94	101	108470	18.020	ug/l	95
8) Diethyl Ether	2.20	74	42899	18.935	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	63188	17.648	ug/l	94
10) Methyl Iodide	2.52	142	82172	15.601	ug/l	95
11) Tert butyl alcohol	3.07	59	81558	106.622	ug/l	97
12) 1,1-Dichloroethene	2.39	96	60789	18.283	ug/l	95
13) Acrolein	2.30	56	69416	193.524	ug/l	100
14) Allyl chloride	2.73	41	109025	20.125	ug/l	97
15) Acrylonitrile	3.15	53	190224	100.527	ug/l	99
16) Acetone	2.45	43	188825	111.525	ug/l	98
17) Carbon Disulfide	2.58	76	163203	18.602	ug/l	99
18) Methyl Acetate	2.78	43	83526	17.436	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	206222	19.145	ug/l	98
20) Methylene Chloride	2.86	84	66237	17.306	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	62932	17.768	ug/l	91
22) Diisopropyl ether	3.87	45	222341	22.312	ug/l	95
23) Vinyl Acetate	3.83	43	994225	120.231	ug/l	99
24) 1,1-Dichloroethane	3.70	63	124878	21.821	ug/l	99
25) 2-Butanone	4.70	43	291863	121.130	ug/l	100
26) 2,2-Dichloropropane	4.59	77	95343	21.877	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	82508	21.328	ug/l	98
28) Bromochloromethane	5.03	49	64432	24.483	ug/l	88
29) Tetrahydrofuran	5.16	42	185359	122.316	ug/l	100
30) Chloroform	5.22	83	130853	21.913	ug/l	97
31) Cyclohexane	5.58	56	113637	22.109	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	110628	21.947	ug/l	97
36) 1,1-Dichloropropene	5.80	75	93796	18.925	ug/l	99
37) Ethyl Acetate	4.86	43	108743	21.705	ug/l	99
38) Carbon Tetrachloride	5.79	117	94300	19.612	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	116125	19.366	ug/l	98
40) Benzene	6.15	78	298291	20.432	ug/l	100
41) Methacrylonitrile	5.07	41	57500	21.414	ug/l	98
42) 1,2-Dichloroethane	6.20	62	98406	19.482	ug/l	98
43) Isopropyl Acetate	6.46	43	163501	21.143	ug/l	98
44) Trichloroethene	7.21	130	82289	18.715	ug/l	92
45) 1,2-Dichloropropane	7.52	63	77275	21.126	ug/l	96
46) Dibromomethane	7.66	93	52621	19.793	ug/l	91
47) Bromodichloromethane	7.90	83	91752	20.364	ug/l	98
48) Methyl methacrylate	7.77	41	83640	21.623	ug/l	98
49) 1,4-Dioxane	7.76	88	37590	390.486	ug/l	94
51) 4-Methyl-2-Pentanone	8.65	43	552342	108.500	ug/l	99
52) Toluene	8.79	92	182708	19.397	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	100538	20.773	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	112192	21.080	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	76563	19.500	ug/l	99
56) Ethyl methacrylate	9.18	69	109254	20.091	ug/l	99
57) 1,3-Dichloropropane	9.37	76	125854	20.156	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	310433	108.305	ug/l	98
59) 2-Hexanone	9.49	43	436054	110.075	ug/l	99
60) Dibromochloromethane	9.59	129	74484	20.058	ug/l	100
61) 1,2-Dibromoethane	9.67	107	80614	19.387	ug/l	99
64) Tetrachloroethene	9.34	164	76436	16.600	ug/l	90
65) Chlorobenzene	10.14	112	205045	19.234	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	71561	20.022	ug/l	98
67) Ethyl Benzene	10.25	91	337048	19.633	ug/l	97
68) m/p-Xylenes	10.36	106	262685	38.493	ug/l	98
69) o-Xylene	10.69	106	126327	19.238	ug/l	98
70) Styrene	10.71	104	204393	19.193	ug/l	98
71) Bromoform	10.85	173	51772	18.721	ug/l #	99
73) Isopropylbenzene	11.02	105	339210	20.932	ug/l	100
74) N-amyl acetate	10.90	43	147132	23.473	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	115782	23.444	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	95539m	20.597	ug/l	
77) Bromobenzene	11.26	156	84562	18.520	ug/l	88
78) n-propylbenzene	11.36	91	383021	21.554	ug/l	97
79) 2-Chlorotoluene	11.42	91	226202	20.979	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	276415	20.849	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	32175	24.083	ug/l	93
82) 4-Chlorotoluene	11.51	91	261329	20.946	ug/l	98
83) tert-Butylbenzene	11.77	119	264018	20.114	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	286923	21.317	ug/l	97
85) sec-Butylbenzene	11.94	105	333537	20.995	ug/l	99
86) p-Isopropyltoluene	12.06	119	291210	20.306	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	153716	18.759	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	153929	18.516	ug/l	97
89) n-Butylbenzene	12.39	91	254381	20.620	ug/l	99
90) Hexachloroethane	12.60	117	47653	22.202	ug/l	86
91) 1,2-Dichlorobenzene	12.39	146	150870	18.501	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.00	75	24321	23.684	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	94072	17.105	ug/l	98
94) Hexachlorobutadiene	13.78	225	43370	16.241	ug/l	98
95) Naphthalene	13.83	128	321601	19.997	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	95387	17.231	ug/l	97

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

