

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052620\
 Data File : VX016422.D
 Acq On : 26 May 2020 13:17
 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
 5/27/2020 12:27:15 PM

Quant Time: May 26 16:07:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052620W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 26 15:50:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	156190	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	265416	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	252287	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	121217	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	40676	19.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.20%	
35) Dibromofluoromethane	5.47	113	31484	18.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.00%	
50) Toluene-d8	8.70	98	119148	18.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.42%	
62) 4-Bromofluorobenzene	11.12	95	42769	17.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	23000	14.516	ug/l	96
3) Chloromethane	1.32	50	30910	16.529	ug/l	100
4) Vinyl Chloride	1.39	62	39684	19.232	ug/l	99
5) Bromomethane	1.63	94	29621	22.028	ug/l	95
6) Chloroethane	1.72	64	28453	22.210	ug/l	95
7) Trichlorofluoromethane	1.92	101	63479	22.618	ug/l	99
8) Diethyl Ether	2.17	74	25484	21.709	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	26918	17.558	ug/l	100
10) Methyl Iodide	2.49	142	23742	12.050	ug/l	100
11) Tert butyl alcohol	3.01	59	42101	82.956	ug/l	97
12) 1,1-Dichloroethene	2.36	96	27646	17.242	ug/l	97
13) Acrolein	2.27	56	21362	69.316	ug/l	98
14) Allyl chloride	2.71	41	45460	15.698	ug/l	98
15) Acrylonitrile	3.12	53	84409	79.842	ug/l	99
16) Acetone	2.42	43	76697	85.205	ug/l	97
17) Carbon Disulfide	2.55	76	80735	14.815	ug/l	99
18) Methyl Acetate	2.75	43	36040	16.295	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	95503	17.183	ug/l	96
20) Methylene Chloride	2.84	84	31857	17.003	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	30458	16.809	ug/l	95
22) Diisopropyl ether	3.82	45	90760	16.367	ug/l	100
23) Vinyl Acetate	3.79	43	402517	82.657	ug/l	100
24) 1,1-Dichloroethane	3.67	63	53478	17.126	ug/l	97
25) 2-Butanone	4.63	43	118712	81.745	ug/l	99
26) 2,2-Dichloropropane	4.56	77	49928	17.465	ug/l	98
27) cis-1,2-Dichloroethene	4.57	96	33981	17.091	ug/l	97
28) Bromochloromethane	4.98	49	28649	20.030	ug/l	91
29) Tetrahydrofuran	5.09	42	78602	81.797	ug/l	99
30) Chloroform	5.18	83	56714	18.064	ug/l	92
31) Cyclohexane	5.56	56	44860	16.081	ug/l	95
32) 1,1,1-Trichloroethane	5.47	97	50939	17.794	ug/l	95
36) 1,1-Dichloropropene	5.77	75	40257	15.505	ug/l	99
37) Ethyl Acetate	4.79	43	46525	15.711	ug/l	99
38) Carbon Tetrachloride	5.75	117	44223	16.685	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	44525	14.487	ug/l	97
40) Benzene	6.12	78	126525	16.630	ug/l	98
41) Methacrylonitrile	5.01	41	24061	15.053	ug/l	97
42) 1,2-Dichloroethane	6.17	62	46836	17.112	ug/l	100
43) Isopropyl Acetate	6.42	43	75377	15.904	ug/l	99
44) Trichloroethene	7.19	130	41207	15.329	ug/l	98
45) 1,2-Dichloropropane	7.49	63	31152	16.300	ug/l	99
46) Dibromomethane	7.63	93	22366	16.929	ug/l	97
47) Bromodichloromethane	7.88	83	45223	16.948	ug/l	97
48) Methyl methacrylate	7.74	41	33640	15.064	ug/l	98
49) 1,4-Dioxane	7.71	88	17063	313.878	ug/l	96
51) 4-Methyl-2-Pentanone	8.62	43	235387	81.069	ug/l	97
52) Toluene	8.77	92	80917	16.989	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	52094	16.426	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	53541	16.231	ug/l	97
55) 1,1,2-Trichloroethane	9.20	97	31513	16.745	ug/l	97
56) Ethyl methacrylate	9.16	69	47492	15.703	ug/l	95
57) 1,3-Dichloropropane	9.35	76	55418	17.003	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	134433	83.654	ug/l	97
59) 2-Hexanone	9.47	43	178100	78.038	ug/l	100
60) Dibromochloromethane	9.57	129	35907	17.225	ug/l	98
61) 1,2-Dibromoethane	9.65	107	35130	17.184	ug/l	99
64) Tetrachloroethene	9.32	164	46757	15.290	ug/l	94
65) Chlorobenzene	10.12	112	86796	16.475	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.20	131	33595	17.204	ug/l	98
67) Ethyl Benzene	10.24	91	152250	16.297	ug/l	100
68) m/p-Xylenes	10.34	106	116396	33.159	ug/l	99
69) o-Xylene	10.68	106	55512	16.419	ug/l	96
70) Styrene	10.70	104	90748	15.868	ug/l	99
71) Bromoform	10.84	173	25454	15.973	ug/l #	99
73) Isopropylbenzene	11.00	105	146325	16.731	ug/l	99
74) N-amyl acetate	10.88	43	62073	15.492	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	33526	20.874	ug/l	97
76) 1,2,3-Trichloropropane	11.28	75	46419m	17.112	ug/l	
77) Bromobenzene	11.24	156	37140	16.343	ug/l	96
78) n-propylbenzene	11.34	91	162071	15.967	ug/l	97
79) 2-Chlorotoluene	11.40	91	99418	16.563	ug/l	98
80) 1,3,5-Trimethylbenzene	11.49	105	122196	16.557	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	18160	16.052	ug/l	99
82) 4-Chlorotoluene	11.49	91	117519	16.564	ug/l	99
83) tert-Butylbenzene	11.76	119	101449	15.959	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	123939	16.646	ug/l	99
85) sec-Butylbenzene	11.93	105	130793	15.379	ug/l	100
86) p-Isopropyltoluene	12.05	119	121170	15.383	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	65984	16.255	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	67567	16.391	ug/l	97
89) n-Butylbenzene	12.37	91	104292	14.574	ug/l	97
90) Hexachloroethane	12.58	117	21412	15.727	ug/l	100
91) 1,2-Dichlorobenzene	12.38	146	64991	16.545	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	11359	15.876	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	38383	13.475	ug/l	99
94) Hexachlorobutadiene	13.77	225	13362	10.491	ug/l	99
95) Naphthalene	13.82	128	142878	15.316	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	37399	13.498	ug/l	94

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

