

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061820\
 Data File : VX016840.D
 Acq On : 18 Jun 2020 11:24
 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
 6/19/2020 12:49:35 PM

Quant Time: Jun 18 12:35:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061820W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 18 12:21:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	256947	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	383530	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	355775	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	190177	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	60149	19.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.30%	
35) Dibromofluoromethane	5.46	113	49136	20.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.26%	
50) Toluene-d8	8.70	98	183959	20.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.52%	
62) 4-Bromofluorobenzene	11.12	95	84607	25.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	50.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	72863	27.115	ug/l	99
3) Chloromethane	1.31	50	69919	24.497	ug/l	98
4) Vinyl Chloride	1.39	62	74117	23.616	ug/l	100
5) Bromomethane	1.64	94	47486	24.181	ug/l	99
6) Chloroethane	1.72	64	44810	23.444	ug/l	99
7) Trichlorofluoromethane	1.92	101	104571	23.574	ug/l	98
8) Diethyl Ether	2.17	74	39262	21.625	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	48856	21.551	ug/l	99
10) Methyl Iodide	2.50	142	47558	17.331	ug/l	100
11) Tert butyl alcohol	3.01	59	52270	75.305	ug/l	100
12) 1,1-Dichloroethene	2.36	96	50000	19.368	ug/l	99
13) Acrolein	2.27	56	27637	83.049	ug/l	98
14) Allyl chloride	2.71	41	73098	18.663	ug/l	100
15) Acrylonitrile	3.11	53	121130	83.957	ug/l	99
16) Acetone	2.42	43	103037	80.382	ug/l	97
17) Carbon Disulfide	2.55	76	136991	19.064	ug/l	99
18) Methyl Acetate	2.75	43	60587	17.710	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	160684	18.806	ug/l	100
20) Methylene Chloride	2.84	84	53360	18.889	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	52214	19.304	ug/l	98
22) Diisopropyl ether	3.82	45	143314	19.432	ug/l	99
23) Vinyl Acetate	3.78	43	589315	92.754	ug/l	99
24) 1,1-Dichloroethane	3.67	63	89856	19.458	ug/l	98
25) 2-Butanone	4.63	43	161191	83.688	ug/l	98
26) 2,2-Dichloropropane	4.55	77	83272	19.481	ug/l	100
27) cis-1,2-Dichloroethene	4.57	96	58091	18.777	ug/l	99
28) Bromochloromethane	4.98	49	35393	18.012	ug/l	98
29) Tetrahydrofuran	5.09	42	101882	81.729	ug/l	100
30) Chloroform	5.18	83	93980	19.241	ug/l	97
31) Cyclohexane	5.55	56	76591	21.978	ug/l	97
32) 1,1,1-Trichloroethane	5.46	97	87838	19.820	ug/l	99
36) 1,1-Dichloropropene	5.77	75	68980	20.395	ug/l	99
37) Ethyl Acetate	4.79	43	62923	17.325	ug/l	99
38) Carbon Tetrachloride	5.76	117	79294	20.645	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	79641	21.742	ug/l	96
40) Benzene	6.12	78	207178	20.092	ug/l	100
41) Methacrylonitrile	5.01	41	34820	17.883	ug/l	99
42) 1,2-Dichloroethane	6.17	62	73673	19.585	ug/l	100
43) Isopropyl Acetate	6.41	43	103851	17.855	ug/l	100
44) Trichloroethene	7.19	130	61458	18.692	ug/l	97
45) 1,2-Dichloropropane	7.49	63	50649	19.905	ug/l	95
46) Dibromomethane	7.63	93	35473	19.281	ug/l	99
47) Bromodichloromethane	7.88	83	84079	21.938	ug/l	97
48) Methyl methacrylate	7.74	41	49735	18.243	ug/l	97
49) 1,4-Dioxane	7.71	88	22054	329.971	ug/l	94
51) 4-Methyl-2-Pentanone	8.62	43	313088	88.630	ug/l	99
52) Toluene	8.76	92	133370	19.879	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	82321	19.066	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	90795	20.085	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	52918	19.431	ug/l	99
56) Ethyl methacrylate	9.16	69	75401	18.445	ug/l	100
57) 1,3-Dichloropropane	9.35	76	87181	18.991	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.29	63	197397	100.451	ug/l	97
59) 2-Hexanone	9.47	43	233402	86.091	ug/l	98
60) Dibromochloromethane	9.57	129	60624	18.812	ug/l	99
61) 1,2-Dibromoethane	9.65	107	56550	19.263	ug/l	99
64) Tetrachloroethene	9.32	164	66525	19.709	ug/l	95
65) Chlorobenzene	10.12	112	143963	20.002	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.20	131	56171	19.792	ug/l	99
67) Ethyl Benzene	10.24	91	245710	20.381	ug/l	100
68) m/p-Xylenes	10.34	106	190961	41.921	ug/l	99
69) o-Xylene	10.68	106	89109	20.356	ug/l	99
70) Styrene	10.70	104	156267	20.662	ug/l	100
71) Bromoform	10.84	173	47832	19.873	ug/l #	100
73) Isopropylbenzene	11.00	105	299177	23.948	ug/l	100
74) N-amyl acetate	10.88	43	87813	18.301	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	85924	23.496	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	86299m	21.848	ug/l	
77) Bromobenzene	11.24	156	79413	22.504	ug/l	96
78) n-propylbenzene	11.34	91	318226	23.330	ug/l	100
79) 2-Chlorotoluene	11.40	91	188918	21.948	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	246677	23.435	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	33529	21.520	ug/l	99
82) 4-Chlorotoluene	11.49	91	232506	22.976	ug/l	99
83) tert-Butylbenzene	11.76	119	220470	22.767	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	224352	21.059	ug/l	97
85) sec-Butylbenzene	11.93	105	233502	20.706	ug/l	99
86) p-Isopropyltoluene	12.05	119	221504	20.424	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	118934	19.799	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	118083	19.047	ug/l	96
89) n-Butylbenzene	12.37	91	181797	20.232	ug/l	98
90) Hexachloroethane	12.58	117	38767	19.242	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	115857	19.439	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.98	75	16812	16.655	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	78393	18.436	ug/l	98
94) Hexachlorobutadiene	13.76	225	35920	18.902	ug/l	99
95) Naphthalene	13.82	128	237819	18.262	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	78657	18.611	ug/l	99

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

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