

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080320\
 Data File : VL035317.D
 Acq On : 3 Aug 2020 13:38
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

apatel
 8/6/2020 2:44:20 PM

Quant Time: Aug 04 05:21:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 04
 QLast Update : Mon Aug 03 15:02:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1494950	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3738434	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3448660	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2949678	10.70	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	204252	1.144 ppbv	99
3) Chlorodifluoromethane	2.94	51	181235	1.095 ppbv	99
4) Chloromethane	3.10	50	100220	1.076 ppbv	100
5) Vinyl Chloride	3.21	62	100210	1.033 ppbv	96
6) Bromomethane	3.43	94	64223	1.072 ppbv	94
7) Chloroethane	3.52	64	39895	1.139 ppbv #	85
8) Dichlorotetrafluoroethane	3.14	85	254565	1.124 ppbv	100
9) Propene	2.96	41	58036	1.006 ppbv	99
10) Heptane	8.12	43	149729	0.959 ppbv	100
11) Trichlorofluoromethane	3.92	101	275958	1.149 ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.46	101	195094	1.145 ppbv	92
13) Ethanol	3.57	45	25724m	1.096 ppbv	
14) Bromoethene	3.70	108	76597	1.102 ppbv	96
15) Acetone	3.82	43	242705	1.217 ppbv	97
16) 1,3-Butadiene	3.29	39	73214	0.941 ppbv	87
17) tert-Butyl alcohol	4.26	59	207520m	1.078 ppbv	
18) 1,1-Dichloroethene	4.26	96	82535	1.091 ppbv	88
19) Isopropyl Alcohol	3.94	45	144448	1.098 ppbv #	94
20) Methylene Chloride	4.32	84	111999	1.234 ppbv	83
21) Allyl Chloride	4.38	41	125726	1.107 ppbv	97
22) trans-1,2-Dichloroethene	4.86	96	83222	1.145 ppbv	86
23) Vinyl Acetate	5.05	43	217993	1.088 ppbv #	98
24) 1,1-Dichloroethane	4.98	63	203920	1.091 ppbv	98
25) Ethyl Acetate	5.66	43	331377	1.064 ppbv	99
26) Hexane	5.67	57	149206	1.062 ppbv	98
27) Carbon Disulfide	4.53	76	193393	1.019 ppbv #	86
28) Methyl tert-Butyl Ether	5.02	73	220313	1.097 ppbv	100
29) Chloroform	5.74	83	254253	1.079 ppbv	86
30) Cyclohexane	7.13	84	92277	0.919 ppbv	97
31) cis-1,2-Dichloroethene	5.53	61	127339	1.040 ppbv #	94
32) 1,1,1-Trichloroethane	6.50	97	242152m	1.004 ppbv	
34) 2-Butanone	5.23	43	188481	0.991 ppbv	100
35) Carbon Tetrachloride	7.02	117	238685	0.954 ppbv	98
36) Benzene	6.89	78	261253	1.006 ppbv	98
37) 1,2-Dichloroethane	6.30	62	179832	0.990 ppbv	100
38) Trichloroethene	7.84	130	101096	0.939 ppbv	94
39) 1,2-Dichloropropane	7.61	63	102661	0.990 ppbv	89
40) 1,4-Dioxane	7.85	88	46129m	1.130 ppbv	
41) Tetrahydrofuran	6.05	42	88550	0.950 ppbv	98
42) Bromodichloromethane	7.79	83	246350	1.016 ppbv	99
43) Methyl Methacrylate	8.02	69	100506	0.893 ppbv	96

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 QLast Update : Mon Aug 03 15:02:12 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	457789	1.000	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	95934	0.846	ppbv	92
46) cis-1,3-Dichloropropene	8.71	75	121739	0.881	ppbv	90
47) 1,1,2-Trichloroethane	9.49	97	121774	0.994	ppbv	90
48) Dibromochloromethane	10.32	129	182116	0.944	ppbv	100
49) Bromoform	13.07	173	156968	0.905	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	259782	0.942	ppbv	97
51) 2-Hexanone	10.16	43	184794	0.884	ppbv #	94
52) Tetrachloroethene	11.25	164	99757m	1.006	ppbv	
53) Toluene	9.82	91	245743	0.890	ppbv	99
54) 1,2-Dibromoethane	10.62	107	178476m	1.008	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.14	131	162656	1.026	ppbv #	1
57) Chlorobenzene	12.17	112	272850m	1.051	ppbv	
58) Ethyl Benzene	12.73	91	343025m	0.939	ppbv	
59) m/p-Xylene	13.02	91	693215m	2.039	ppbv	
60) o-Xylene	13.72	91	340116	1.003	ppbv	96
61) Styrene	13.55	104	175020	0.850	ppbv	95
62) Isopropylbenzene	14.70	105	526085	1.042	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.70	83	285762	0.979	ppbv	100
64) n-propylbenzene	15.59	120	134404m	1.001	ppbv	
65) tert-Butylbenzene	16.78	119	464041	1.014	ppbv	96
66) Benzyl Chloride	17.02	91	158813m	0.886	ppbv	
67) sec-Butylbenzene	17.33	105	669533	1.002	ppbv	98
69) p-Isopropyltoluene	17.69	119	546966	1.003	ppbv	97
70) n-Butylbenzene	18.59	91	589255	0.999	ppbv	94
71) 2-Chlorotoluene	15.48	91	371569	0.976	ppbv	97
72) 4-Ethyltoluene	15.87	105	370688	0.971	ppbv	98
73) 1,3,5-Trimethylbenzene	16.02	105	378259	1.016	ppbv	98
74) 1,2,4-Trimethylbenzene	16.79	105	448454	1.034	ppbv	92
75) 1,3-Dichlorobenzene	17.03	146	280938	1.004	ppbv	100
76) 1,4-Dichlorobenzene	17.18	146	263642m	1.041	ppbv	
77) 1,2-Dichlorobenzene	17.85	146	251780	1.004	ppbv	100
78) Hexachloro-1,3-Butadiene	23.42	225	211543m	1.031	ppbv	
79) Naphthalene	22.26	128	315185m	0.914	ppbv	
80) Naphthalene, 2-methyl-	25.01	142	59452	0.533	ppbv	98
81) 1,2,4-Trichlorobenzene	21.98	180	205407m	0.979	ppbv	

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

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