

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072920\
 Data File : VL035240.D
 Acq On : 29 Jul 2020 9:14
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL072920

Manual Integrations
 APPROVED

MMDadoda
 7/30/2020 6:10:36 PM

Quant Time: Jul 30 02:58:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 29 2020
 QLast Update : Wed Jul 29 07:14:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1471729	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3518186	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	3377607m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2667583	9.88	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	1475320	8.393	ppbv	100
3) Chlorodifluoromethane	2.94	51	1426015	8.753	ppbv	98
4) Chloromethane	3.10	50	822320	8.970	ppbv	99
5) Vinyl Chloride	3.21	62	847057	8.870	ppbv	98
6) Bromomethane	3.43	94	514459	8.722	ppbv	98
7) Chloroethane	3.52	64	317331	9.206	ppbv	94
8) Dichlorotetrafluoroethane	3.14	85	1896612	8.504	ppbv	99
9) Propene	2.96	41	569858	10.035	ppbv	99
10) Heptane	8.13	43	1645147	10.703	ppbv	99
11) Trichlorofluoromethane	3.92	101	2026432	8.571	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1422432	8.483	ppbv	98
13) Ethanol	3.57	45	140806	6.092	ppbv	91
14) Bromoethene	3.70	108	636795	9.306	ppbv	99
15) Acetone	3.82	43	1539060	7.840	ppbv	99
16) 1,3-Butadiene	3.29	39	754877	9.858	ppbv	96
17) tert-Butyl alcohol	4.26	59	1769270	9.338	ppbv	99
18) 1,1-Dichloroethene	4.26	96	672267	9.030	ppbv	93
19) Isopropyl Alcohol	3.93	45	1153983	8.913	ppbv	99
20) Methylene Chloride	4.32	84	632522	7.078	ppbv	97
21) Allyl Chloride	4.38	41	1074952	9.615	ppbv	99
22) trans-1,2-Dichloroethene	4.86	96	660501	9.233	ppbv	98
23) Vinyl Acetate	5.05	43	2035969	10.322	ppbv	98
24) 1,1-Dichloroethane	5.00	63	1693269	9.205	ppbv	100
25) Ethyl Acetate	5.66	43	2907079	9.483	ppbv	99
26) Hexane	5.67	57	1324482	9.577	ppbv	98
27) Carbon Disulfide	4.53	76	1751150	9.372	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	2040119	10.319	ppbv	100
29) Chloroform	5.74	83	2058584	8.875	ppbv	97
30) Cyclohexane	7.13	84	1083796	10.964	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1270381	10.538	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	2053585	8.650	ppbv	99
34) 2-Butanone	5.23	43	1765536	9.863	ppbv	100
35) Carbon Tetrachloride	7.02	117	2103442	8.929	ppbv	100
36) Benzene	6.90	78	2535793	10.371	ppbv	100
37) 1,2-Dichloroethane	6.30	62	1604511	9.387	ppbv	99
38) Trichloroethene	7.85	130	1040755	10.270	ppbv	92
39) 1,2-Dichloropropane	7.62	63	994776	10.197	ppbv	99
40) 1,4-Dioxane	7.84	88	392994	10.230	ppbv	90
41) Tetrahydrofuran	6.04	42	974456	11.107	ppbv	99
42) Bromodichloromethane	7.81	83	2205914	9.669	ppbv	98
43) Methyl Methacrylate	8.02	69	1157830	10.929	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4378173	10.163	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	1283145	12.021	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	1538471	11.831	ppbv	99
47) 1,1,2-Trichloroethane	9.50	97	1097188	9.521	ppbv	98
48) Dibromochloromethane	10.33	129	1852528	10.207	ppbv	99
49) Bromoform	13.08	173	1665081	10.205	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2736863	10.550	ppbv	99
51) 2-Hexanone	10.15	43	2211924	11.244	ppbv #	99
52) Tetrachloroethene	11.26	164	944665	10.126	ppbv	95
53) Toluene	9.83	91	2988463	11.500	ppbv	100
54) 1,2-Dibromoethane	10.64	107	1678779m	10.075	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.16	131	1439102	9.266	ppbv	99
57) Chlorobenzene	12.18	112	2384139	9.381	ppbv	95
58) Ethyl Benzene	12.74	91	4063448	11.359	ppbv	100
59) m/p-Xylene	13.03	91	6813078m	20.458	ppbv	
60) o-Xylene	13.73	91	3430610	10.325	ppbv	100
61) Styrene	13.56	104	2427722	12.037	ppbv	99
62) Isopropylbenzene	14.70	105	5006740	10.124	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.72	83	2476196	8.661	ppbv	100
64) n-propylbenzene	15.61	120	1369219m	10.413	ppbv	
65) tert-Butylbenzene	16.79	119	4538553	10.130	ppbv	99
66) Benzyl Chloride	17.04	91	1768167	10.076	ppbv	100
67) sec-Butylbenzene	17.34	105	6404370	9.783	ppbv	100
69) p-Isopropyltoluene	17.70	119	5376765	10.069	ppbv	100
70) n-Butylbenzene	18.60	91	5650885	9.781	ppbv	99
71) 2-Chlorotoluene	15.49	91	3945868	10.581	ppbv	100
72) 4-Ethyltoluene	15.88	105	4070916	10.885	ppbv	100
73) 1,3,5-Trimethylbenzene	16.04	105	3815824	10.462	ppbv	98
74) 1,2,4-Trimethylbenzene	16.81	105	4011563	9.448	ppbv	99
75) 1,3-Dichlorobenzene	17.05	146	2376363	8.668	ppbv	100
76) 1,4-Dichlorobenzene	17.19	146	2378567	9.592	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	2269449	9.243	ppbv	99
78) Hexachloro-1,3-Butadiene	23.43	225	1643023	8.175	ppbv	99
79) Naphthalene	22.27	128	3306870	9.795	ppbv	99
80) Naphthalene, 2-methyl-	25.01	142	1080906	9.892	ppbv	99
81) 1,2,4-Trichlorobenzene	21.99	180	1871570	9.107	ppbv	100

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

