

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070820\
 Data File : VL035175.D
 Acq On : 8 Jul 2020 7:45
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICSVVL070820

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 12:02:41 PM

Quant Time: Jul 08 08:55:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 08
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1353465	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3217417	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3075963	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2441712	9.77	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.00	85	1626638	8.576	ppbv	99
3) Chlorodifluoromethane	2.94	51	1344270	8.992	ppbv	96
4) Chloromethane	3.10	50	766225	9.094	ppbv	99
5) Vinyl Chloride	3.21	62	754985	8.385	ppbv	99
6) Bromomethane	3.43	94	471371	9.224	ppbv	96
7) Chloroethane	3.52	64	285890	8.981	ppbv	94
8) Dichlorotetrafluoroethane	3.14	85	1752469	8.430	ppbv	100
9) Propene	2.96	41	579177	10.251	ppbv	100
10) Heptane	8.13	43	1510786	10.416	ppbv	99
11) Trichlorofluoromethane	3.91	101	1820605	8.499	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1296477	8.618	ppbv	99
13) Ethanol	3.56	45	138728m	7.712	ppbv	
14) Bromoethene	3.70	108	572885	9.253	ppbv	99
15) Acetone	3.81	43	1405609	7.671	ppbv	99
16) 1,3-Butadiene	3.28	39	693561	9.861	ppbv	100
17) tert-Butyl alcohol	4.26	59	1626018	10.029	ppbv	99
18) 1,1-Dichloroethene	4.26	96	601779	9.035	ppbv	97
19) Isopropyl Alcohol	3.93	45	1109693	10.038	ppbv	# 97
20) Methylene Chloride	4.31	84	582740	7.309	ppbv	97
21) Allyl Chloride	4.38	41	1012332	9.492	ppbv	99
22) trans-1,2-Dichloroethene	4.86	96	601498	9.045	ppbv	97
23) Vinyl Acetate	5.05	43	2062589	10.399	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1574712	9.245	ppbv	98
25) Ethyl Acetate	5.66	43	2686954	9.449	ppbv	100
26) Hexane	5.67	57	1201239	9.581	ppbv	99
27) Carbon Disulfide	4.52	76	1594050	9.105	ppbv	100
28) Methyl tert-Butyl Ether	5.01	73	1907783	9.987	ppbv	99
29) Chloroform	5.74	83	1849591	8.799	ppbv	96
30) Cyclohexane	7.13	84	993834	10.713	ppbv	98
31) cis-1,2-Dichloroethene	5.53	61	1227548	10.351	ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	1847767	8.771	ppbv	99
34) 2-Butanone	5.22	43	1715293	9.988	ppbv	99
35) Carbon Tetrachloride	7.02	117	1895306	9.075	ppbv	96
36) Benzene	6.89	78	2374635	10.198	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1448614	9.270	ppbv	99
38) Trichloroethene	7.84	130	911251	9.604	ppbv	97
39) 1,2-Dichloropropane	7.62	63	928387	10.025	ppbv	93
40) 1,4-Dioxane	7.83	88	372503	10.104	ppbv	# 1
41) Tetrahydrofuran	6.04	42	951220	11.070	ppbv	99
42) Bromodichloromethane	7.80	83	2001962	9.593	ppbv	99
43) Methyl Methacrylate	8.02	69	1072959	10.900	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4040828	10.053	ppbv	98
45) t-1,3-Dichloropropene	9.29	75	1202054	11.623	ppbv	97
46) cis-1,3-Dichloropropene	8.71	75	1430942	11.671	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	981764	9.685	ppbv	98
48) Dibromochloromethane	10.32	129	1669219	10.121	ppbv	100
49) Bromoform	13.07	173	1431824m	9.924	ppbv	
50) 4-Methyl-2-Pentanone	8.74	43	2478880	10.058	ppbv	99
51) 2-Hexanone	10.14	43	2037813	10.843	ppbv #	99
52) Tetrachloroethene	11.24	164	848873	9.760	ppbv	96
53) Toluene	9.82	91	2734450	11.127	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1486342	9.881	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.15	131	1249838	9.171	ppbv	98
57) Chlorobenzene	12.17	112	2064269	9.105	ppbv	99
58) Ethyl Benzene	12.74	91	3644542	10.720	ppbv	99
59) m/p-Xylene	13.02	91	6050623m	19.968	ppbv	
60) o-Xylene	13.72	91	2984350	9.872	ppbv	100
61) Styrene	13.55	104	2141634	11.464	ppbv	99
62) Isopropylbenzene	14.70	105	4419835	9.863	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	2120063	8.392	ppbv	99
64) n-propylbenzene	15.60	120	1172069	10.125	ppbv	97
65) tert-Butylbenzene	16.78	119	3914236	9.726	ppbv	100
66) Benzyl Chloride	17.03	91	1508153	10.518	ppbv	99
67) sec-Butylbenzene	17.33	105	5554366	9.467	ppbv	99
69) p-Isopropyltoluene	17.69	119	4580128	9.960	ppbv	100
70) n-Butylbenzene	18.59	91	4761170	9.765	ppbv	99
71) 2-Chlorotoluene	15.48	91	3400847	10.030	ppbv	100
72) 4-Ethyltoluene	15.87	105	3505734	10.292	ppbv	100
73) 1,3,5-Trimethylbenzene	16.03	105	3297551	10.039	ppbv	99
74) 1,2,4-Trimethylbenzene	16.80	105	3443987	9.487	ppbv	97
75) 1,3-Dichlorobenzene	17.04	146	1944353	8.458	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	1946763	9.112	ppbv	100
77) 1,2-Dichlorobenzene	17.86	146	1882693	9.096	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	1377007	8.419	ppbv	99
79) Naphthalene	22.26	128	2942180	12.525	ppbv	97
80) Naphthalene, 2-methyl-	25.01	142	1117361	20.138	ppbv	100
81) 1,2,4-Trichlorobenzene	21.98	180	1606728	10.797	ppbv	99

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

