

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072920\
 Data File : VL035242.D
 Acq On : 29 Jul 2020 11:23
 Operator : SY/AP
 Sample : VL0729ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0729ABS01

Manual Integrations
 APPROVED

MMDadoda
 7/30/2020 6:10:40 PM

Quant Time: Jul 30 03:04:24 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	1436228	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3414076	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	3233517m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2649619	10.25	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	1484176	8.652	ppbv	99
3) Chlorodifluoromethane	2.94	51	1400115	8.807	ppbv	100
4) Chloromethane	3.10	50	803562	8.982	ppbv	98
5) Vinyl Chloride	3.21	62	823538	8.837	ppbv	99
6) Bromomethane	3.43	94	517849	8.996	ppbv	97
7) Chloroethane	3.52	64	311794	9.269	ppbv	99
8) Dichlorotetrafluoroethane	3.14	85	1887548	8.673	ppbv	100
9) Propene	2.96	41	544014	9.817	ppbv	97
10) Heptane	8.13	43	1593057	10.620	ppbv	99
11) Trichlorofluoromethane	3.92	101	2026882	8.785	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1406120	8.593	ppbv	99
13) Ethanol	3.57	45	126950	5.628	ppbv	93
14) Bromoethene	3.70	108	620909	9.298	ppbv	100
15) Acetone	3.82	43	1492888	7.793	ppbv	99
16) 1,3-Butadiene	3.29	39	719285	9.625	ppbv	100
17) tert-Butyl alcohol	4.26	59	1705091	9.222	ppbv	100
18) 1,1-Dichloroethene	4.26	96	649053	8.933	ppbv	96
19) Isopropyl Alcohol	3.94	45	1082518	8.568	ppbv	99
20) Methylene Chloride	4.32	84	615981	7.064	ppbv	97
21) Allyl Chloride	4.38	41	1039285	9.526	ppbv	98
22) trans-1,2-Dichloroethene	4.86	96	647430	9.274	ppbv	96
23) Vinyl Acetate	5.06	43	1968198	10.225	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1632928	9.096	ppbv	96
25) Ethyl Acetate	5.67	43	2803278	9.370	ppbv	100
26) Hexane	5.67	57	1289535	9.555	ppbv	98
27) Carbon Disulfide	4.53	76	1691000	9.274	ppbv	100
28) Methyl tert-Butyl Ether	5.01	73	1976945	10.247	ppbv	99
29) Chloroform	5.75	83	2029622	8.966	ppbv	98
30) Cyclohexane	7.13	84	1054176	10.928	ppbv	97
31) cis-1,2-Dichloroethene	5.54	61	1232801	10.479	ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	2013518	8.691	ppbv	99
34) 2-Butanone	5.23	43	1665346	9.587	ppbv	100
35) Carbon Tetrachloride	7.02	117	2086736	9.129	ppbv	97
36) Benzene	6.90	78	2468774	10.405	ppbv	98
37) 1,2-Dichloroethane	6.30	62	1579264	9.521	ppbv	100
38) Trichloroethene	7.84	130	1021686	10.390	ppbv	93
39) 1,2-Dichloropropane	7.62	63	975626	10.306	ppbv	97
40) 1,4-Dioxane	7.84	88	373599	10.022	ppbv	# 1
41) Tetrahydrofuran	6.04	42	920445	10.811	ppbv	100
42) Bromodichloromethane	7.80	83	2180498	9.849	ppbv	98
43) Methyl Methacrylate	8.02	69	1151095	11.197	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4339670	10.381	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	1256601	12.131	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	1496655	11.860	ppbv	100
47) 1,1,2-Trichloroethane	9.50	97	1078637	9.645	ppbv	95
48) Dibromochloromethane	10.33	129	1840777	10.452	ppbv	98
49) Bromoform	13.08	173	1659433	10.481	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2667430	10.596	ppbv	100
51) 2-Hexanone	10.15	43	2131361	11.165	ppbv #	97
52) Tetrachloroethene	11.25	164	926709	10.237	ppbv	97
53) Toluene	9.83	91	2933878	11.634	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1644255	10.169	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.16	131	1444705	9.717	ppbv	99
57) Chlorobenzene	12.18	112	2363522	9.714	ppbv	97
58) Ethyl Benzene	12.74	91	4034379	11.781	ppbv	99
59) m/p-Xylene	13.03	91	6776712m	21.256	ppbv	
60) o-Xylene	13.73	91	3462774	10.886	ppbv	99
61) Styrene	13.56	104	2388750	12.372	ppbv	100
62) Isopropylbenzene	14.71	105	5026602	10.617	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.72	83	2504370	9.150	ppbv	99
64) n-propylbenzene	15.60	120	1375974	10.931	ppbv	98
65) tert-Butylbenzene	16.79	119	4509201	10.513	ppbv	100
66) Benzyl Chloride	17.03	91	1770966	10.542	ppbv	98
67) sec-Butylbenzene	17.34	105	6438722	10.274	ppbv	100
69) p-Isopropyltoluene	17.70	119	5335009	10.436	ppbv	99
70) n-Butylbenzene	18.59	91	5660226	10.234	ppbv	99
71) 2-Chlorotoluene	15.49	91	3942720	11.044	ppbv	100
72) 4-Ethyltoluene	15.88	105	4103173	11.460	ppbv	100
73) 1,3,5-Trimethylbenzene	16.04	105	3848939	11.023	ppbv	100
74) 1,2,4-Trimethylbenzene	16.81	105	4055774	9.978	ppbv	96
75) 1,3-Dichlorobenzene	17.04	146	2374463	9.047	ppbv	100
76) 1,4-Dichlorobenzene	17.19	146	2353649	9.915	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	2270462	9.659	ppbv	100
78) Hexachloro-1,3-Butadiene	23.43	225	1642189	8.535	ppbv	99
79) Naphthalene	22.26	128	3246892	10.045	ppbv	99
80) Naphthalene, 2-methyl-	25.02	142	1026945	9.817	ppbv	99
81) 1,2,4-Trichlorobenzene	21.99	180	1844892	9.377	ppbv	100

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

