

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070620\
 Data File : VL035150.D
 Acq On : 6 Jul 2020 17:52
 Operator : SY/AP
 Sample : VL0706ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0706ABS01

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 5:42:30 PM

Quant Time: Jul 07 09:03:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 2020
 QLast Update : Sat Jun 20 02:10:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1100379	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2629255	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2695561m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2137149	9.54	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.00	85	1323885	8.910	ppbv	98
3) Chlorodifluoromethane	2.94	51	1150576	9.465	ppbv	99
4) Chloromethane	3.09	50	639951	9.392	ppbv	100
5) Vinyl Chloride	3.21	62	660304	10.190	ppbv	96
6) Bromomethane	3.43	94	404810	10.060	ppbv	91
7) Chloroethane	3.52	64	247128	10.114	ppbv	96
8) Dichlorotetrafluoroethane	3.14	85	1515003	9.510	ppbv	99
9) Propene	2.96	41	464065	9.641	ppbv	99
10) Heptane	8.13	43	1297943	10.405	ppbv	100
11) Trichlorofluoromethane	3.92	101	1602378	10.095	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1132281	10.316	ppbv	100
13) Ethanol	3.57	45	132485	7.286	ppbv	95
14) Bromoethene	3.70	108	497964	10.525	ppbv	99
15) Acetone	3.81	43	1212722	9.116	ppbv	98
16) 1,3-Butadiene	3.29	39	592019	10.146	ppbv	100
17) tert-Butyl alcohol	4.26	59	1420396	12.047	ppbv	100
18) 1,1-Dichloroethene	4.26	96	517864	10.461	ppbv	91
19) Isopropyl Alcohol	3.93	45	929686	10.762	ppbv	99
20) Methylene Chloride	4.31	84	472958	8.784	ppbv	95
21) Allyl Chloride	4.38	41	866124	10.954	ppbv	98
22) trans-1,2-Dichloroethene	4.86	96	512924	11.074	ppbv	95
23) Vinyl Acetate	5.05	43	1742481	10.790	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1320748	9.701	ppbv	99
25) Ethyl Acetate	5.66	43	2298865	9.575	ppbv	99
26) Hexane	5.67	57	1022966	9.450	ppbv	99
27) Carbon Disulfide	4.52	76	1529605	13.654	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	1615793	10.623	ppbv	100
29) Chloroform	5.74	83	1605913	9.480	ppbv	98
30) Cyclohexane	7.12	84	854722	11.002	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1011005	10.132	ppbv	94
32) 1,1,1-Trichloroethane	6.50	97	1602636	10.200	ppbv	99
34) 2-Butanone	5.22	43	1436380	9.513	ppbv	99
35) Carbon Tetrachloride	7.02	117	1655173	10.496	ppbv	98
36) Benzene	6.89	78	2034278	9.992	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1256048	9.762	ppbv	99
38) Trichloroethene	7.84	130	796658	10.074	ppbv	96
39) 1,2-Dichloropropane	7.62	63	794776	9.981	ppbv	97
40) 1,4-Dioxane	7.83	88	298049	9.489	ppbv	# 97
41) Tetrahydrofuran	6.03	42	798940	10.360	ppbv	99
42) Bromodichloromethane	7.80	83	1733965	10.405	ppbv	96
43) Methyl Methacrylate	8.02	69	929486	10.786	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3481065	9.796	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1039854	12.399	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1235656	11.860	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	848966	9.769	ppbv	98
48) Dibromochloromethane	10.33	129	1437001	11.091	ppbv	100
49) Bromoform	13.07	173	1222638	11.108	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	2177975	10.152	ppbv	100
51) 2-Hexanone	10.15	43	1748926	10.410	ppbv #	100
52) Tetrachloroethene	11.25	164	722061	10.065	ppbv	93
53) Toluene	9.82	91	2339745	10.774	ppbv	100
54) 1,2-Dibromoethane	10.64	107	1267610	9.851	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.15	131	1078445	9.776	ppbv	97
57) Chlorobenzene	12.18	112	1773892	8.943	ppbv	99
58) Ethyl Benzene	12.74	91	3133579	10.346	ppbv	97
59) m/p-Xylene	13.02	91	5203093m	19.385	ppbv	
60) o-Xylene	13.72	91	2588183	9.686	ppbv	99
61) Styrene	13.56	104	1815139	10.795	ppbv	99
62) Isopropylbenzene	14.70	105	3756794	9.421	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	1760084	8.132	ppbv	99
64) n-propylbenzene	15.59	120	981905	9.649	ppbv	96
65) tert-Butylbenzene	16.78	119	3263125	9.557	ppbv	100
66) Benzyl Chloride	17.03	91	1292156	12.251	ppbv	100
67) sec-Butylbenzene	17.33	105	4636383	9.474	ppbv	100
69) p-Isopropyltoluene	17.69	119	3873737	9.923	ppbv	99
70) n-Butylbenzene	18.59	91	4170166	9.917	ppbv	99
71) 2-Chlorotoluene	15.49	91	2905301	9.639	ppbv	99
72) 4-Ethyltoluene	15.87	105	2970944	9.994	ppbv	100
73) 1,3,5-Trimethylbenzene	16.03	105	2780381	9.895	ppbv	99
74) 1,2,4-Trimethylbenzene	16.80	105	2932478	9.350	ppbv	94
75) 1,3-Dichlorobenzene	17.03	146	1689781	9.029	ppbv	100
76) 1,4-Dichlorobenzene	17.18	146	1706570	9.532	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	1642965	9.594	ppbv	100
78) Hexachloro-1,3-Butadiene	23.42	225	1563487m	10.157	ppbv	
79) Naphthalene	22.25	128	3520770	12.805	ppbv	98
80) Naphthalene, 2-methyl-	25.01	142	1308985	12.451	ppbv	99
81) 1,2,4-Trichlorobenzene	21.99	180	1869782	11.788	ppbv	98

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

