

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030320\
 Data File : VL034760.D
 Acq On : 3 Mar 2020 11:52
 Operator : SY/AP
 Sample : VL0303ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0303ABS01

Manual Integrations
 APPROVED

MMDadoda
 3/4/2020 4:48:57 PM

Quant Time: Mar 04 06:05:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb 28 2020
 QLast Update : Fri Feb 28 01:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1180893	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.20	114	2430689	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.13	117	2570308m	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	2110292	10.01	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	1424375	7.646	ppbv	94
3) Chlorodifluoromethane	2.96	51	1136159	8.915	ppbv	98
4) Chloromethane	3.11	50	620439	8.697	ppbv	99
5) Vinyl Chloride	3.23	62	620054	8.860	ppbv	97
6) Bromomethane	3.45	94	376676	9.187	ppbv	92
7) Chloroethane	3.54	64	237027	9.123	ppbv	95
8) Dichlorotetrafluoroethane	3.16	85	1424006	8.642	ppbv	99
9) Propene	2.98	41	445182	8.357	ppbv	97
10) Heptane	8.15	43	1266590	9.237	ppbv	98
11) Trichlorofluoromethane	3.93	101	1500946	9.199	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1018213	8.853	ppbv	99
13) Ethanol	3.58	45	134610	7.999	ppbv	98
14) Bromoethene	3.72	108	444797	9.269	ppbv	100
15) Acetone	3.83	43	1176422	8.742	ppbv	99
16) 1,3-Butadiene	3.30	39	586090	9.409	ppbv	98
17) tert-Butyl alcohol	4.28	59	1049044	10.173	ppbv	100
18) 1,1-Dichloroethene	4.28	96	466018	9.025	ppbv	97
19) Isopropyl Alcohol	3.95	45	822389	10.260	ppbv	99
20) Methylene Chloride	4.33	84	412176	8.236	ppbv	95
21) Allyl Chloride	4.40	41	826502	9.283	ppbv	97
22) trans-1,2-Dichloroethene	4.88	96	461370	9.164	ppbv	97
23) Vinyl Acetate	5.07	43	1795757	9.816	ppbv	98
24) 1,1-Dichloroethane	5.01	63	1302789	8.917	ppbv	99
25) Ethyl Acetate	5.68	43	2186905	9.181	ppbv	100
26) Hexane	5.69	57	977908	8.907	ppbv	98
27) Carbon Disulfide	4.54	76	1230779	9.876	ppbv	98
28) Methyl tert-Butyl Ether	5.03	73	1455975	9.283	ppbv	99
29) Chloroform	5.76	83	1578972	9.027	ppbv	99
30) Cyclohexane	7.15	84	793231	9.323	ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1020306	9.444	ppbv	94
32) 1,1,1-Trichloroethane	6.53	97	1546742	9.469	ppbv	99
34) 2-Butanone	5.24	43	1428781	9.339	ppbv	99
35) Carbon Tetrachloride	7.04	117	1602382	9.843	ppbv	98
36) Benzene	6.91	78	1904840	9.073	ppbv	94
37) 1,2-Dichloroethane	6.32	62	1301231	9.833	ppbv	98
38) Trichloroethene	7.86	130	742269	9.173	ppbv	96
39) 1,2-Dichloropropane	7.64	63	770353	9.223	ppbv	98
40) 1,4-Dioxane	7.86	88	282569	9.948	ppbv	95
41) Tetrahydrofuran	6.06	42	781133	9.673	ppbv	99
42) Bromodichloromethane	7.82	83	1715079	9.899	ppbv	97
43) Methyl Methacrylate	8.04	69	866913	9.818	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	3361725	9.162	ppbv	98
45) t-1,3-Dichloropropene	9.31	75	1074768	11.154	ppbv	96
46) cis-1,3-Dichloropropene	8.74	75	1244598	10.770	ppbv	99
47) 1,1,2-Trichloroethane	9.51	97	814697	9.508	ppbv	98
48) Dibromochloromethane	10.35	129	1393144	10.456	ppbv	100
49) Bromoform	13.09	173	1233253	10.675	ppbv	99
50) 4-Methyl-2-Pentanone	8.77	43	2193206	10.121	ppbv	99
51) 2-Hexanone	10.17	43	1852207	10.861	ppbv #	99
52) Tetrachloroethene	11.27	164	682504	8.869	ppbv	94
53) Toluene	9.84	91	2217218	9.930	ppbv	98
54) 1,2-Dibromoethane	10.65	107	1264830	9.894	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.17	131	975536	8.912	ppbv #	57
57) Chlorobenzene	12.19	112	1697128	8.933	ppbv	97
58) Ethyl Benzene	12.76	91	3001443	9.652	ppbv	97
59) m/p-Xylene	13.04	91	4962735m	18.297	ppbv	
60) o-Xylene	13.74	91	2495971	9.274	ppbv	99
61) Styrene	13.58	104	1772227	10.251	ppbv	98
62) Isopropylbenzene	14.72	105	3504919	8.927	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.73	83	1809194	8.625	ppbv	99
64) n-propylbenzene	15.61	120	906808	8.959	ppbv	92
65) tert-Butylbenzene	16.80	119	3071188	9.059	ppbv	98
66) Benzyl Chloride	17.05	91	1522532	12.039	ppbv	98
67) sec-Butylbenzene	17.35	105	4361762	8.941	ppbv	99
69) p-Isopropyltoluene	17.71	119	3637598	9.058	ppbv	98
70) n-Butylbenzene	18.61	91	3906065	8.932	ppbv	100
71) 2-Chlorotoluene	15.51	91	2790797	9.178	ppbv	99
72) 4-Ethyltoluene	15.90	105	2926899	9.771	ppbv	99
73) 1,3,5-Trimethylbenzene	16.05	105	2734168	9.488	ppbv	98
74) 1,2,4-Trimethylbenzene	16.82	105	2850351	8.956	ppbv	94
75) 1,3-Dichlorobenzene	17.06	146	1627130	8.857	ppbv	99
76) 1,4-Dichlorobenzene	17.20	146	1640476	8.925	ppbv	98
77) 1,2-Dichlorobenzene	17.88	146	1588038	8.941	ppbv	99
78) Hexachloro-1,3-Butadiene	23.44	225	1251969	8.096	ppbv	99
79) Naphthalene	22.28	128	2749566	9.817	ppbv	98
80) Naphthalene, 2-methyl-	25.03	142	754553	8.734	ppbv	99
81) 1,2,4-Trichlorobenzene	22.01	180	1475865	8.829	ppbv	99

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

