

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100820\
 Data File : VL035744.D
 Acq On : 8 Oct 2020 13:37
 Operator : SY/AP
 Sample : VL1008ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1008ABS01

Manual Integrations
 APPROVED

apatel
 10/12/2020 10:15:17 AM

Quant Time: Oct 09 01:34:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 2
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1179896	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4545594	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4586121m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	3344987	9.73	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	1676507	8.660	ppbv 99
3) Chlorodifluoromethane	2.98	51	1205980	9.501	ppbv 100
4) Chloromethane	3.13	50	647126	9.490	ppbv 98
5) Vinyl Chloride	3.25	62	771973	9.571	ppbv 98
6) Bromomethane	3.47	94	649626	9.528	ppbv 99
7) Chloroethane	3.55	64	286859	9.698	ppbv 99
8) Dichlorotetrafluoroethane	3.18	85	2151484	9.162	ppbv 100
9) Propene	3.00	41	467948	10.153	ppbv 99
10) Heptane	8.13	43	1368629	10.652	ppbv 100
11) Trichlorofluoromethane	3.95	101	2619332	9.482	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1947460	9.457	ppbv 99
13) Ethanol	3.61	45	96593	8.499	ppbv 100
14) Bromoethene	3.74	108	856716	9.877	ppbv 100
15) Acetone	3.85	43	1057890	8.332	ppbv 100
16) 1,3-Butadiene	3.32	39	488244	10.512	ppbv 99
17) tert-Butyl alcohol	4.30	59	1411849	10.209	ppbv 99
18) 1,1-Dichloroethene	4.29	96	893568	9.911	ppbv 96
19) Isopropyl Alcohol	3.97	45	682214	9.878	ppbv 99
20) Methylene Chloride	4.34	84	734054	7.871	ppbv 97
21) Allyl Chloride	4.41	41	643451	10.456	ppbv 99
22) trans-1,2-Dichloroethene	4.89	96	936683	9.834	ppbv 99
23) Vinyl Acetate	5.08	43	1668038	10.727	ppbv 99
24) 1,1-Dichloroethane	5.01	63	1625136	9.595	ppbv 99
25) Ethyl Acetate	5.68	43	2223980	9.735	ppbv 100
26) Hexane	5.69	57	1222806	9.768	ppbv 99
27) Carbon Disulfide	4.55	76	1989343	10.661	ppbv 100
28) Methyl tert-Butyl Ether	5.04	73	2117323	10.670	ppbv 100
29) Chloroform	5.76	83	2465066	9.696	ppbv 99
30) Cyclohexane	7.14	84	1356073	10.979	ppbv 100
31) cis-1,2-Dichloroethene	5.56	61	1297800	10.739	ppbv 99
32) 1,1,1-Trichloroethane	6.52	97	2402544	10.721	ppbv 100
34) 2-Butanone	5.25	43	1531327	10.185	ppbv 99
35) Carbon Tetrachloride	7.03	117	2495006	10.527	ppbv 98
36) Benzene	6.90	78	3088819	10.428	ppbv 99
37) 1,2-Dichloroethane	6.32	62	1529582	9.908	ppbv 100
38) Trichloroethene	7.85	130	1543359	10.445	ppbv 99
39) 1,2-Dichloropropane	7.62	63	1074192	10.006	ppbv 98
40) 1,4-Dioxane	7.84	88	515385	10.497	ppbv # 1
41) Tetrahydrofuran	6.05	42	861500	11.374	ppbv 99
42) Bromodichloromethane	7.81	83	2577806	10.366	ppbv 98
43) Methyl Methacrylate	8.03	69	1313716	11.152	ppbv 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4214660	9.916	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1463657	12.307	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	1744160	11.897	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	1509296	9.815	ppbv	99
48) Dibromochloromethane	10.32	129	2555222	10.918	ppbv	100
49) Bromoform	13.06	173	2271865	11.441	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	2287081	10.415	ppbv	100
51) 2-Hexanone	10.15	43	1917295	10.836	ppbv	100
52) Tetrachloroethene	11.24	164	1451863	10.193	ppbv	97
53) Toluene	9.82	91	3866955	11.072	ppbv	100
54) 1,2-Dibromoethane	10.63	107	2352930	10.219	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.15	131	1965688	10.222	ppbv	97
57) Chlorobenzene	12.17	112	3246574	9.373	ppbv	100
58) Ethyl Benzene	12.73	91	5049083	10.969	ppbv	100
59) m/p-Xylene	13.02	91	8656868m	21.535	ppbv	
60) o-Xylene	13.72	91	4216941	10.370	ppbv	100
61) Styrene	13.55	104	3294887	11.719	ppbv	100
62) Isopropylbenzene	14.69	105	6341860	10.055	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	3080503	9.238	ppbv	100
64) n-propylbenzene	15.59	120	1935522	10.485	ppbv	98
65) tert-Butylbenzene	16.77	119	5832908	10.172	ppbv	100
66) Benzyl Chloride	17.02	91	2126671	12.241	ppbv	99
67) sec-Butylbenzene	17.32	105	7793903	9.842	ppbv	100
69) p-Isopropyltoluene	17.68	119	6561975	10.185	ppbv	99
70) n-Butylbenzene	18.58	91	6514867	9.820	ppbv	99
71) 2-Chlorotoluene	15.48	91	4849638	10.541	ppbv	100
72) 4-Ethyltoluene	15.87	105	5136594	10.663	ppbv	100
73) 1,3,5-Trimethylbenzene	16.02	105	4794724	10.533	ppbv	98
74) 1,2,4-Trimethylbenzene	16.79	105	4980625	9.706	ppbv	99
75) 1,3-Dichlorobenzene	17.03	146	3277223	9.354	ppbv	100
76) 1,4-Dichlorobenzene	17.17	146	3291690	9.829	ppbv	99
77) 1,2-Dichlorobenzene	17.84	146	3211189	9.705	ppbv	100
78) Hexachloro-1,3-Butadiene	23.41	225	1748632	9.578	ppbv	100
79) Naphthalene	22.24	128	4787235	9.781	ppbv	99
80) Naphthalene, 2-methyl-	25.00	142	1226249	10.622	ppbv	99
81) 1,2,4-Trichlorobenzene	21.97	180	2504121	9.873	ppbv	100

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

