

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082320\
 Data File : VL035500.D
 Acq On : 23 Aug 2020 15:59
 Operator : SY/AP
 Sample : VL0823ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0823ABS01

Quant Time: Aug 24 02:19:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sun Aug 23 12:40:32 2020
 QLast Update : Sun Aug 23 12:40:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	973657	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4433753	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	4770311m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3291779	9.66	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	1534069	8.512	ppbv 100
3) Chlorodifluoromethane	2.98	51	1047380	9.506	ppbv 100
4) Chloromethane	3.14	50	545955	9.580	ppbv 98
5) Vinyl Chloride	3.25	62	658248	9.775	ppbv 98
6) Bromomethane	3.47	94	597349	9.649	ppbv 98
7) Chloroethane	3.56	64	246105	9.577	ppbv 100
8) Dichlorotetrafluoroethane	3.19	85	1951205	9.194	ppbv 99
9) Propene	3.01	41	403940	9.414	ppbv 100
10) Heptane	8.14	43	1116235	9.789	ppbv 100
11) Trichlorofluoromethane	3.95	101	2404375	9.303	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1795953	9.329	ppbv 99
13) Ethanol	3.60	45	98731	8.050	ppbv 100
14) Bromoethene	3.74	108	820021	9.747	ppbv 99
15) Acetone	3.85	43	872552	8.478	ppbv 99
16) 1,3-Butadiene	3.32	39	399130	9.624	ppbv 99
17) tert-Butyl alcohol	4.29	59	1303215	9.772	ppbv 100
18) 1,1-Dichloroethene	4.29	96	825810	9.681	ppbv 98
19) Isopropyl Alcohol	3.97	45	655787	9.658	ppbv 100
20) Methylene Chloride	4.34	84	661877m	5.919	ppbv
21) Allyl Chloride	4.41	41	531097	10.088	ppbv 99
22) trans-1,2-Dichloroethene	4.89	96	872117	9.664	ppbv 98
23) Vinyl Acetate	5.08	43	1415537	10.302	ppbv 100
24) 1,1-Dichloroethane	5.01	63	1379472	9.532	ppbv 99
25) Ethyl Acetate	5.68	43	1798286	9.067	ppbv 100
26) Hexane	5.69	57	1027492	8.523	ppbv 99
27) Carbon Disulfide	4.55	76	1722181	10.717	ppbv 100
28) Methyl tert-Butyl Ether	5.04	73	1931491	9.870	ppbv 100
29) Chloroform	5.76	83	2160176	9.426	ppbv 99
30) Cyclohexane	7.14	84	1225277	10.102	ppbv 100
31) cis-1,2-Dichloroethene	5.56	61	1145773	10.031	ppbv 98
32) 1,1,1-Trichloroethane	6.52	97	2199075	10.504	ppbv 99
34) 2-Butanone	5.25	43	1265656	9.719	ppbv 99
35) Carbon Tetrachloride	7.03	117	2334533	10.805	ppbv 98
36) Benzene	6.90	78	2804367	9.631	ppbv 100
37) 1,2-Dichloroethane	6.32	62	1323241	9.604	ppbv 99
38) Trichloroethene	7.85	130	1525159	9.465	ppbv 97
39) 1,2-Dichloropropane	7.63	63	929046	9.559	ppbv 100
40) 1,4-Dioxane	7.84	88	486387	10.110	ppbv 88
41) Tetrahydrofuran	6.06	42	727950	10.292	ppbv 99
42) Bromodichloromethane	7.81	83	2301067	10.211	ppbv 98
43) Methyl Methacrylate	8.03	69	1155830	10.282	ppbv 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	3551990	9.340	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1347525	11.665	ppbv	100
46) cis-1,3-Dichloropropene	8.72	75	1582902	11.065	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	1392026	9.540	ppbv	100
48) Dibromochloromethane	10.32	129	2523820	10.866	ppbv	100
49) Bromoform	13.07	173	2446477	11.340	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	1870307	9.984	ppbv	100
51) 2-Hexanone	10.15	43	1600264	10.458	ppbv #	99
52) Tetrachloroethene	11.24	164	1602806	9.452	ppbv	98
53) Toluene	9.82	91	3619603	9.823	ppbv	100
54) 1,2-Dibromoethane	10.63	107	2260964	9.753	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.15	131	1954281	9.667	ppbv	98
57) Chlorobenzene	12.17	112	3140400	8.742	ppbv	98
58) Ethyl Benzene	12.73	91	4770844	9.315	ppbv	100
59) m/p-Xylene	13.02	91	7624408m	17.490	ppbv	
60) o-Xylene	13.72	91	3883110	9.075	ppbv	100
61) Styrene	13.55	104	3257668	9.876	ppbv	100
62) Isopropylbenzene	14.69	105	6129796	8.843	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.70	83	2723064	8.745	ppbv	100
64) n-propylbenzene	15.59	120	1965439	9.330	ppbv	100
65) tert-Butylbenzene	16.77	119	5872451	8.914	ppbv	100
66) Benzyl Chloride	17.02	91	2035038	12.613	ppbv	100
67) sec-Butylbenzene	17.32	105	7608474	8.692	ppbv	100
69) p-Isopropyltoluene	17.68	119	6793500	8.905	ppbv	100
70) n-Butylbenzene	18.58	91	6494610	8.879	ppbv	99
71) 2-Chlorotoluene	15.48	91	4612767	9.211	ppbv	100
72) 4-Ethyltoluene	15.87	105	5081727	9.303	ppbv	100
73) 1,3,5-Trimethylbenzene	16.02	105	4715339	9.319	ppbv	99
74) 1,2,4-Trimethylbenzene	16.79	105	4905283	8.850	ppbv	96
75) 1,3-Dichlorobenzene	17.02	146	3640347	8.760	ppbv	100
76) 1,4-Dichlorobenzene	17.17	146	3707072	8.911	ppbv	100
77) 1,2-Dichlorobenzene	17.85	146	3626504	8.847	ppbv	100
78) Hexachloro-1,3-Butadiene	23.41	225	2470865	8.686	ppbv	100
79) Naphthalene	22.24	128	6578055	9.435	ppbv	99
80) Naphthalene, 2-methyl-	25.00	142	2899935	10.390	ppbv	99
81) 1,2,4-Trichlorobenzene	21.97	180	3749590	9.148	ppbv	100

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

