

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082320\
 Data File : VL035498.D
 Acq On : 23 Aug 2020 12:43
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL082320

Quant Time: Aug 24 02:08:28 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	995720	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4610072	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4692841m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3371902	10.05	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.50%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	1676899	9.098	ppbv 99
3) Chlorodifluoromethane	2.98	51	1069373	9.490	ppbv 99
4) Chloromethane	3.13	50	560233	9.613	ppbv 100
5) Vinyl Chloride	3.25	62	686530	9.969	ppbv 98
6) Bromomethane	3.47	94	607951	9.603	ppbv 100
7) Chloroethane	3.55	64	253970	9.664	ppbv 99
8) Dichlorotetrafluoroethane	3.18	85	2014585	9.283	ppbv 99
9) Propene	3.00	41	416493	9.492	ppbv 100
10) Heptane	8.13	43	1136155	9.742	ppbv 100
11) Trichlorofluoromethane	3.95	101	2433018	9.206	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1847883	9.386	ppbv 99
13) Ethanol	3.60	45	106557	8.496	ppbv 100
14) Bromoethene	3.74	108	856331	9.954	ppbv 100
15) Acetone	3.85	43	878551	8.347	ppbv 99
16) 1,3-Butadiene	3.32	39	409183	9.648	ppbv 100
17) tert-Butyl alcohol	4.29	59	1385013	10.155	ppbv 100
18) 1,1-Dichloroethene	4.29	96	851714	9.763	ppbv 98
19) Isopropyl Alcohol	3.97	45	694947	10.008	ppbv 100
20) Methylene Chloride	4.34	84	744483m	6.511	ppbv
21) Allyl Chloride	4.41	41	551160	10.237	ppbv 99
22) trans-1,2-Dichloroethene	4.89	96	903033	9.785	ppbv 99
23) Vinyl Acetate	5.08	43	1447759	10.303	ppbv 100
24) 1,1-Dichloroethane	5.01	63	1430164	9.663	ppbv 99
25) Ethyl Acetate	5.68	43	1855226	9.146	ppbv 100
26) Hexane	5.69	57	1073511	8.707	ppbv 98
27) Carbon Disulfide	4.55	76	1793735	10.914	ppbv 99
28) Methyl tert-Butyl Ether	5.03	73	2033739	10.162	ppbv 99
29) Chloroform	5.76	83	2227669	9.505	ppbv 99
30) Cyclohexane	7.13	84	1269114	10.232	ppbv 99
31) cis-1,2-Dichloroethene	5.55	61	1178936	10.092	ppbv 97
32) 1,1,1-Trichloroethane	6.52	97	2276100	10.631	ppbv 99
34) 2-Butanone	5.25	43	1288042	9.512	ppbv 99
35) Carbon Tetrachloride	7.02	117	2397428	10.672	ppbv 97
36) Benzene	6.90	78	2897918	9.572	ppbv 100
37) 1,2-Dichloroethane	6.31	62	1355456	9.461	ppbv 100
38) Trichloroethene	7.84	130	1570593	9.375	ppbv 98
39) 1,2-Dichloropropane	7.62	63	959085	9.491	ppbv 96
40) 1,4-Dioxane	7.84	88	523081	10.456	ppbv 96
41) Tetrahydrofuran	6.05	42	743401	10.108	ppbv 98
42) Bromodichloromethane	7.80	83	2382276	10.167	ppbv 97
43) Methyl Methacrylate	8.02	69	1183881	10.128	ppbv 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	3648696	9.228	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1354999	11.281	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1605646	10.794	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	1433859	9.451	ppbv	99
48) Dibromochloromethane	10.32	129	2575167	10.663	ppbv	100
49) Bromoform	13.06	173	2496637	11.130	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	1922952	9.872	ppbv	99
51) 2-Hexanone	10.15	43	1663876	10.457	ppbv #	98
52) Tetrachloroethene	11.24	164	1643864	9.323	ppbv	99
53) Toluene	9.82	91	3730040	9.735	ppbv	100
54) 1,2-Dibromoethane	10.63	107	2311546	9.590	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.14	131	1987655	9.994	ppbv	99
57) Chlorobenzene	12.17	112	3217620	9.105	ppbv	99
58) Ethyl Benzene	12.73	91	4865410	9.656	ppbv	99
59) m/p-Xylene	13.02	91	7850797m	18.307	ppbv	
60) o-Xylene	13.71	91	3977971	9.450	ppbv	100
61) Styrene	13.55	104	3321993	10.237	ppbv	100
62) Isopropylbenzene	14.69	105	6246660	9.161	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.70	83	2783831	9.087	ppbv	99
64) n-propylbenzene	15.59	120	2002887	9.664	ppbv	100
65) tert-Butylbenzene	16.77	119	5969438	9.211	ppbv	100
66) Benzyl Chloride	17.01	91	1917369	12.080	ppbv	99
67) sec-Butylbenzene	17.32	105	7719276	8.964	ppbv	100
69) p-Isopropyltoluene	17.68	119	6856484	9.136	ppbv	100
70) n-Butylbenzene	18.58	91	6542266	9.092	ppbv	100
71) 2-Chlorotoluene	15.47	91	4701188	9.543	ppbv	100
72) 4-Ethyltoluene	15.86	105	5163828	9.609	ppbv	100
73) 1,3,5-Trimethylbenzene	16.02	105	4814360	9.672	ppbv	100
74) 1,2,4-Trimethylbenzene	16.79	105	4973219	9.120	ppbv	97
75) 1,3-Dichlorobenzene	17.02	146	3716161	9.090	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	3740707	9.140	ppbv	99
77) 1,2-Dichlorobenzene	17.84	146	3663676	9.086	ppbv	100
78) Hexachloro-1,3-Butadiene	23.40	225	2428978	8.679	ppbv	100
79) Naphthalene	22.23	128	6277696	9.153	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	2504488	9.122	ppbv	100
81) 1,2,4-Trichlorobenzene	21.96	180	3649944	9.052	ppbv	100

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

