

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082720\
 Data File : VL035514.D
 Acq On : 27 Aug 2020 9:17
 Operator : SY/AP
 Sample : VL0823ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0827ABS01

Manual Integrations
 APPROVED

sam
 9/3/2020 5:43:12 PM

Quant Time: Aug 28 01:35:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 28 01:35:03 2020
 QLast Update : Thu Aug 27 06:46:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	997206	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4469358	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	4632483m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3317073	10.08	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.80%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	1405746	8.134	ppbv 100
3) Chlorodifluoromethane	2.99	51	1082150	9.812	ppbv 99
4) Chloromethane	3.14	50	582521	9.859	ppbv 99
5) Vinyl Chloride	3.26	62	682832	9.373	ppbv 100
6) Bromomethane	3.48	94	608966	9.952	ppbv 97
7) Chloroethane	3.56	64	256824	9.972	ppbv 96
8) Dichlorotetrafluoroethane	3.19	85	1983933	9.479	ppbv 100
9) Propene	3.02	41	420620	9.893	ppbv 99
10) Heptane	8.15	43	1161576	10.171	ppbv 100
11) Trichlorofluoromethane	3.96	101	2471389	9.806	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1872448	9.844	ppbv 99
13) Ethanol	3.61	45	97132	9.214	ppbv 98
14) Bromoethene	3.75	108	843114	10.298	ppbv 99
15) Acetone	3.86	43	1005285	9.140	ppbv 100
16) 1,3-Butadiene	3.33	39	416696	10.178	ppbv 99
17) tert-Butyl alcohol	4.30	59	1340844	10.016	ppbv 100
18) 1,1-Dichloroethene	4.30	96	855892	10.218	ppbv 98
19) Isopropyl Alcohol	3.98	45	666635	10.160	ppbv 100
20) Methylene Chloride	4.36	84	677919	8.276	ppbv 98
21) Allyl Chloride	4.42	41	543279	10.544	ppbv 97
22) trans-1,2-Dichloroethene	4.90	96	903045	10.127	ppbv 98
23) Vinyl Acetate	5.09	43	1512429	10.714	ppbv 100
24) 1,1-Dichloroethane	5.02	63	1449315	9.977	ppbv 99
25) Ethyl Acetate	5.70	43	1892447	9.740	ppbv 100
26) Hexane	5.70	57	1074953	9.764	ppbv 100
27) Carbon Disulfide	4.56	76	1781966	11.280	ppbv 100
28) Methyl tert-Butyl Ether	5.05	73	1998929	10.418	ppbv 100
29) Chloroform	5.77	83	2229744	9.941	ppbv 100
30) Cyclohexane	7.15	84	1251079	10.608	ppbv 99
31) cis-1,2-Dichloroethene	5.57	61	1187338	10.512	ppbv 98
32) 1,1,1-Trichloroethane	6.53	97	2261187	10.392	ppbv 99
34) 2-Butanone	5.26	43	1330389	10.030	ppbv 100
35) Carbon Tetrachloride	7.04	117	2389380	10.637	ppbv 100
36) Benzene	6.92	78	2880253	9.956	ppbv 100
37) 1,2-Dichloroethane	6.33	62	1363782	9.887	ppbv 100
38) Trichloroethene	7.86	130	1541954	9.176	ppbv 98
39) 1,2-Dichloropropane	7.64	63	963148	9.855	ppbv 98
40) 1,4-Dioxane	7.85	88	505656	10.357	ppbv 93
41) Tetrahydrofuran	6.07	42	753449	10.712	ppbv 100
42) Bromodichloromethane	7.82	83	2383554	10.686	ppbv 99
43) Methyl Methacrylate	8.04	69	1198740	10.716	ppbv 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.90	57	3686253	9.684	ppbv	100
45) t-1,3-Dichloropropene	9.31	75	1366535	12.058	ppbv	99
46) cis-1,3-Dichloropropene	8.73	75	1616359	11.488	ppbv	98
47) 1,1,2-Trichloroethane	9.51	97	1428123	9.903	ppbv	99
48) Dibromochloromethane	10.34	129	2561246	11.285	ppbv	100
49) Bromoform	13.08	173	2455933	11.940	ppbv	100
50) 4-Methyl-2-Pentanone	8.77	43	1981573	10.317	ppbv	99
51) 2-Hexanone	10.17	43	1722593	10.934	ppbv	100
52) Tetrachloroethene	11.26	164	1648038	9.751	ppbv	99
53) Toluene	9.83	91	3730778	10.255	ppbv	100
54) 1,2-Dibromoethane	10.64	107	2318255	10.174	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.16	131	1992890	10.573	ppbv	98
57) Chlorobenzene	12.18	112	3232391	9.481	ppbv	100
58) Ethyl Benzene	12.74	91	4915815	10.291	ppbv	99
59) m/p-Xylene	13.03	91	7891981m	19.771	ppbv	
60) o-Xylene	13.73	91	4025540	10.013	ppbv	100
61) Styrene	13.56	104	3348769	10.891	ppbv	100
62) Isopropylbenzene	14.71	105	6279715	9.724	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.72	83	2798103	8.977	ppbv	100
64) n-propylbenzene	15.60	120	2030444	10.303	ppbv	98
65) tert-Butylbenzene	16.79	119	6012987	10.016	ppbv	99
66) Benzyl Chloride	17.03	91	2036682	13.651	ppbv	100
67) sec-Butylbenzene	17.34	105	7816971	9.774	ppbv	99
69) p-Isopropyltoluene	17.70	119	6966843	9.930	ppbv	100
70) n-Butylbenzene	18.59	91	6678205	9.882	ppbv	100
71) 2-Chlorotoluene	15.49	91	4773569	10.150	ppbv	100
72) 4-Ethyltoluene	15.88	105	5284858	10.340	ppbv	100
73) 1,3,5-Trimethylbenzene	16.04	105	4856385	10.273	ppbv	99
74) 1,2,4-Trimethylbenzene	16.81	105	5072714	9.771	ppbv	97
75) 1,3-Dichlorobenzene	17.04	146	3761074	9.781	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	3784779	9.980	ppbv	100
77) 1,2-Dichlorobenzene	17.86	146	3680384	9.879	ppbv	100
78) Hexachloro-1,3-Butadiene	23.42	225	2391919	10.056	ppbv	99
79) Naphthalene	22.25	128	6305700	10.947	ppbv	99
80) Naphthalene, 2-methyl-	25.01	142	2527998	12.858	ppbv	99
81) 1,2,4-Trichlorobenzene	21.98	180	3621722	10.499	ppbv	100

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

