

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111820\
 Data File : VL035972.D
 Acq On : 18 Nov 2020 12:48
 Operator : SY/AP
 Sample : VL1118ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1118ABS01

Manual Integrations
 APPROVED

MMDadoda
 11/20/2020 12:27:18 PM

Quant Time: Nov 19 08:23:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 0
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1139716	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	4243636	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.05	117	4312606m	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	3162692	10.32	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.02	85	1656364	7.719	ppbv 100
3) Chlorodifluoromethane	2.96	51	1302913	9.546	ppbv 100
4) Chloromethane	3.11	50	643595	9.707	ppbv 99
5) Vinyl Chloride	3.23	62	812827	9.617	ppbv 99
6) Bromomethane	3.45	94	661576	9.733	ppbv 97
7) Chloroethane	3.53	64	299544	10.070	ppbv 94
8) Dichlorotetrafluoroethane	3.16	85	2310264	9.408	ppbv 97
9) Propene	2.98	41	490397	9.817	ppbv 99
10) Heptane	8.09	43	1441328	10.446	ppbv 98
11) Trichlorofluoromethane	3.92	101	2721188	10.100	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	2033659	10.138	ppbv 96
13) Ethanol	3.58	45	90354	8.337	ppbv 97
14) Bromoethene	3.71	108	853756	9.248	ppbv 98
15) Acetone	3.82	43	1156145	9.489	ppbv 99
16) 1,3-Butadiene	3.30	39	513720	9.793	ppbv 99
17) tert-Butyl alcohol	4.26	59	1567962	9.710	ppbv 100
18) 1,1-Dichloroethene	4.26	96	924911	10.042	ppbv 95
19) Isopropyl Alcohol	3.94	45	731079	9.764	ppbv 99
20) Methylene Chloride	4.31	84	762189	8.886	ppbv 99
21) Allyl Chloride	4.38	41	681418	10.341	ppbv 99
22) trans-1,2-Dichloroethene	4.85	96	936758	10.033	ppbv 98
23) Vinyl Acetate	5.04	43	1529003	8.952	ppbv 99
24) 1,1-Dichloroethane	4.98	63	1586717	9.751	ppbv 100
25) Ethyl Acetate	5.65	43	2409381	10.037	ppbv 99
26) Hexane	5.65	57	1259964	9.518	ppbv 97
27) Carbon Disulfide	4.52	76	2043055	10.300	ppbv 99
28) Methyl tert-Butyl Ether	5.00	73	2121724	8.925	ppbv 100
29) Chloroform	5.72	83	2502187	9.617	ppbv 98
30) Cyclohexane	7.10	84	1332011	9.239	ppbv 98
31) cis-1,2-Dichloroethene	5.52	61	1316299	9.666	ppbv 96
32) 1,1,1-Trichloroethane	6.48	97	2405479	8.859	ppbv 99
34) 2-Butanone	5.21	43	1525162	11.074	ppbv 98
35) Carbon Tetrachloride	6.99	117	2394442	10.560	ppbv 99
36) Benzene	6.86	78	3139361	9.951	ppbv 99
37) 1,2-Dichloroethane	6.28	62	1539622	10.772	ppbv 99
38) Trichloroethene	7.80	130	1467164	9.521	ppbv 95
39) 1,2-Dichloropropane	7.58	63	1112376	10.473	ppbv 98
40) 1,4-Dioxane	7.80	88	506006	10.052	ppbv 91
41) Tetrahydrofuran	6.02	42	883287	11.289	ppbv 99
42) Bromodichloromethane	7.76	83	2583299	10.712	ppbv 99
43) Methyl Methacrylate	7.98	69	1300552	10.808	ppbv 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	4383210	10.499	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	1383978	10.849	ppbv	99
46) cis-1,3-Dichloropropene	8.67	75	1717806	10.633	ppbv	98
47) 1,1,2-Trichloroethane	9.44	97	1482182	10.241	ppbv	98
48) Dibromochloromethane	10.27	129	2400428	10.856	ppbv	99
49) Bromoform	13.01	173	2049831	10.987	ppbv	99
50) 4-Methyl-2-Pentanone	8.71	43	2422052	11.501	ppbv	99
51) 2-Hexanone	10.10	43	2009656	11.879	ppbv #	98
52) Tetrachloroethene	11.19	164	1341609	8.976	ppbv	96
53) Toluene	9.77	91	3844490	10.099	ppbv	99
54) 1,2-Dibromoethane	10.58	107	2244813	10.199	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.10	131	1883403	9.730	ppbv	98
57) Chlorobenzene	12.11	112	3174653	9.258	ppbv	99
58) Ethyl Benzene	12.68	91	5026900	9.571	ppbv	100
59) m/p-Xylene	12.96	91	8666935m	19.503	ppbv	
60) o-Xylene	13.66	91	4263901	9.863	ppbv	99
61) Styrene	13.50	104	3163204	9.987	ppbv	99
62) Isopropylbenzene	14.64	105	6339932	9.331	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.65	83	3166386	9.453	ppbv	99
64) n-propylbenzene	15.54	120	1898361	9.666	ppbv	97
65) tert-Butylbenzene	16.72	119	5843107	9.448	ppbv	98
66) Benzyl Chloride	16.96	91	2207309	10.798	ppbv	98
67) sec-Butylbenzene	17.27	105	7941795	9.529	ppbv	99
69) p-Isopropyltoluene	17.63	119	6671328	9.700	ppbv	99
70) n-Butylbenzene	18.52	91	6808545	10.280	ppbv	99
71) 2-Chlorotoluene	15.43	91	4885039	9.829	ppbv	98
72) 4-Ethyltoluene	15.81	105	5189547	9.898	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	4801042	10.006	ppbv	99
74) 1,2,4-Trimethylbenzene	16.73	105	5089212	9.899	ppbv	98
75) 1,3-Dichlorobenzene	16.97	146	3171249	9.688	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	3105624	9.835	ppbv	99
77) 1,2-Dichlorobenzene	17.79	146	3097651	9.707	ppbv	98
78) Hexachloro-1,3-Butadiene	23.35	225	1744101	11.714	ppbv	99
79) Naphthalene	22.16	128	4503586	12.566	ppbv	99
80) Naphthalene,2-methyl-	24.95	142	906252	15.517	ppbv	99
81) 1,2,4-Trichlorobenzene	21.90	180	2252499	11.249	ppbv	97

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

