

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111821\
 Data File : VL038055.D
 Acq On : 18 Nov 2021 15:46
 Operator : SY/AP
 Sample : VL1118ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VL1118ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/25/2021
 Supervised By : Mahesh Dadoda 11/29/2021

Quant Time: Nov 19 07:40:51 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	897597	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2658842	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.09	117	2450599m	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1750711	9.90	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.06	85	1504435	10.147	ppbv 100
3) Chlorodifluoromethane	3.00	51	1691473	8.973	ppbv 100
4) Chloromethane	3.15	50	576672	8.987	ppbv 99
5) Vinyl Chloride	3.27	62	586139	9.311	ppbv 100
6) Bromomethane	3.49	94	312661	9.272	ppbv 100
7) Chloroethane	3.57	64	198182	8.871	ppbv 93
8) Dichlorotetrafluoroethane	3.20	85	1340079	9.086	ppbv 100
9) Propene	3.02	41	609318	8.777	ppbv 97
10) Heptane	8.13	43	1523194	8.878	ppbv 100
11) Trichlorofluoromethane	3.96	101	1248958	8.857	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	874693	8.769	ppbv 99
13) Ethanol	3.62	45	53269m	7.940	ppbv
14) Bromoethene	3.75	108	405865	9.087	ppbv 99
15) Acetone	3.86	43	668709	8.593	ppbv 100
16) 1,3-Butadiene	3.34	39	550375	9.065	ppbv 99
17) tert-Butyl alcohol	4.29	59	850482	9.009	ppbv 99
18) 1,1-Dichloroethene	4.30	96	392489	8.578	ppbv 99
19) Isopropyl Alcohol	3.98	45	488604	8.689	ppbv 99
20) Methylene Chloride	4.35	84	324852	7.452	ppbv 96
21) Allyl Chloride	4.42	41	639658	8.880	ppbv 99
22) trans-1,2-Dichloroethene	4.90	96	413515	8.922	ppbv 97
23) Vinyl Acetate	5.08	43	1287176	11.426	ppbv 98
24) 1,1-Dichloroethane	5.02	63	831612	8.865	ppbv 99
25) Ethyl Acetate	5.69	43	2336267	9.033	ppbv 100
26) Hexane	5.69	57	1119213	8.978	ppbv 96
27) Carbon Disulfide	4.56	76	985320	8.823	ppbv 97
28) Methyl tert-Butyl Ether	5.04	73	981633	9.270	ppbv 100
29) Chloroform	5.76	83	1680557	9.147	ppbv 98
30) Cyclohexane	7.14	84	994249	8.785	ppbv 100
31) cis-1,2-Dichloroethene	5.56	61	1104873	9.317	ppbv 97
32) 1,1,1-Trichloroethane	6.52	97	1718726	9.217	ppbv 99
34) 2-Butanone	5.25	43	1058077	9.869	ppbv 100
35) Carbon Tetrachloride	7.03	117	1760096	9.422	ppbv 97
36) Benzene	6.90	78	2419361	9.122	ppbv 100
37) 1,2-Dichloroethane	6.31	62	1228100	9.587	ppbv 99
38) Trichloroethene	7.84	130	863576	8.632	ppbv 98
39) 1,2-Dichloropropane	7.62	63	936868	9.208	ppbv 97
40) 1,4-Dioxane	7.84	88	215561	8.132	ppbv # 1
41) Tetrahydrofuran	6.06	42	583687	8.770	ppbv 99
42) Bromodichloromethane	7.80	83	1846183	9.480	ppbv 99
43) Methyl Methacrylate	8.02	69	885868	9.763	ppbv 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	3871309	8.724	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	775235	10.651	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	978476	9.939	ppbv	100
47) 1,1,2-Trichloroethane	9.48	97	967017	9.075	ppbv	97
48) Dibromochloromethane	10.31	129	1582886	9.755	ppbv	99
49) Bromoform	13.05	173	1195342	10.297	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	1554074	9.545	ppbv	100
51) 2-Hexanone	10.14	43	729493	9.523	ppbv #	98
52) Tetrachloroethene	11.23	164	806214	8.215	ppbv	96
53) Toluene	9.81	91	2757532	9.036	ppbv	100
54) 1,2-Dibromoethane	10.62	107	1406458	9.345	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	1017325	9.145	ppbv	99
57) Chlorobenzene	12.15	112	1955827	8.905	ppbv	97
58) Ethyl Benzene	12.72	91	3582102	8.844	ppbv	99
59) m/p-Xylene	13.00	91	5903530m	17.314	ppbv	
60) o-Xylene	13.70	91	2707101	8.559	ppbv	99
61) Styrene	13.54	104	1603514	9.456	ppbv	99
62) Isopropylbenzene	14.67	105	3862169	8.602	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	1969852	8.384	ppbv	99
64) n-propylbenzene	15.57	120	1040548	9.098	ppbv	98
65) tert-Butylbenzene	16.75	119	3332433	8.425	ppbv	100
66) Benzyl Chloride	16.99	91	189292	9.442	ppbv	99
67) sec-Butylbenzene	17.30	105	4741979	8.604	ppbv	100
69) p-Isopropyltoluene	17.66	119	3915389	9.081	ppbv	100
70) n-Butylbenzene	18.55	91	3912684	9.491	ppbv	100
71) 2-Chlorotoluene	15.46	91	2933038	8.935	ppbv	100
72) 4-Ethyltoluene	15.84	105	3370073	9.190	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	2994031	8.939	ppbv	100
74) 1,2,4-Trimethylbenzene	16.77	105	3057205	8.858	ppbv	94
75) 1,3-Dichlorobenzene	17.00	146	1765800	9.315	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	1729046	9.063	ppbv	100
77) 1,2-Dichlorobenzene	17.82	146	1710809	9.320	ppbv	100
78) Hexachloro-1,3-Butadiene	23.38	225	1018048	8.883	ppbv	98
79) Naphthalene	22.20	128	2091962	11.509	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	490804	12.600	ppbv	96
81) 1,2,4-Trichlorobenzene	21.93	180	1113229	10.658	ppbv	99

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

