

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111021\
 Data File : VL038009.D
 Acq On : 10 Nov 2021 14:12
 Operator : SY/AP
 Sample : VL1110ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VL1110ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/11/2021
 Supervised By : Mahesh Dadoda 11/17/2021

Quant Time: Nov 11 04:43:24 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110121A

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

QLast Update : Tue Nov 02 05:54:07 2021

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1536132	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4495337	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	4289954m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3129032	10.03	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	2745625	12.686	ppbv 96
3) Chlorodifluoromethane	2.99	51	2502051	8.749	ppbv 99
4) Chloromethane	3.15	50	948671	8.729	ppbv 97
5) Vinyl Chloride	3.26	62	959426	9.160	ppbv 99
6) Bromomethane	3.47	94	525480	9.287	ppbv 99
7) Chloroethane	3.56	64	340099	8.995	ppbv 98
8) Dichlorotetrafluoroethane	3.19	85	2182981	8.756	ppbv 98
9) Propene	3.02	41	902367	8.801	ppbv 96
10) Heptane	8.11	43	2280200	9.559	ppbv 100
11) Trichlorofluoromethane	3.95	101	1975111	9.165	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1498297	8.918	ppbv 100
13) Ethanol	3.61	45	91727m	8.868	ppbv
14) Bromoethene	3.74	108	683940	9.306	ppbv 98
15) Acetone	3.85	43	1123634	8.852	ppbv 98
16) 1,3-Butadiene	3.33	39	911180	9.110	ppbv 99
17) tert-Butyl alcohol	4.29	59	1161747	8.802	ppbv 100
18) 1,1-Dichloroethene	4.29	96	678115	8.770	ppbv 97
19) Isopropyl Alcohol	3.96	45	680272	8.381	ppbv # 96
20) Methylene Chloride	4.34	84	580495	8.330	ppbv 92
21) Allyl Chloride	4.41	41	1137867	9.715	ppbv 99
22) trans-1,2-Dichloroethene	4.88	96	708951	9.227	ppbv 92
23) Vinyl Acetate	5.07	43	2090317	10.937	ppbv 100
24) 1,1-Dichloroethane	5.01	63	1531567	9.699	ppbv 99
25) Ethyl Acetate	5.67	43	3556246	9.433	ppbv 100
26) Hexane	5.69	57	1675597	9.380	ppbv 99
27) Carbon Disulfide	4.55	76	1724127	9.777	ppbv 98
28) Methyl tert-Butyl Ether	5.03	73	1743384	11.609	ppbv 98
29) Chloroform	5.75	83	2374385	8.913	ppbv 100
30) Cyclohexane	7.13	84	1390224	9.104	ppbv 99
31) cis-1,2-Dichloroethene	5.55	61	1543352	9.470	ppbv 97
32) 1,1,1-Trichloroethane	6.51	97	2283453	8.721	ppbv 99
34) 2-Butanone	5.24	43	1558487	9.356	ppbv 100
35) Carbon Tetrachloride	7.01	117	2381302	8.762	ppbv 98
36) Benzene	6.89	78	3460558	9.453	ppbv 99
37) 1,2-Dichloroethane	6.30	62	1672364	9.609	ppbv 99
38) Trichloroethene	7.83	130	1362192	8.965	ppbv 95
39) 1,2-Dichloropropane	7.61	63	1333845	9.683	ppbv 97
40) 1,4-Dioxane	7.83	88	342889	9.452	ppbv 93
41) Tetrahydrofuran	6.05	42	842423	10.336	ppbv 97
42) Bromodichloromethane	7.79	83	2502297	9.509	ppbv 98
43) Methyl Methacrylate	8.01	69	1241629	10.333	ppbv 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	5854660	9.403	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1018178	11.532	ppbv	97
46) cis-1,3-Dichloropropene	8.70	75	1359254	11.197	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1408917	9.104	ppbv	96
48) Dibromochloromethane	10.30	129	2178379	9.942	ppbv	98
49) Bromoform	13.03	173	1773975	10.242	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	2181708	9.969	ppbv	98
51) 2-Hexanone	10.13	43	939883	10.190	ppbv	98
52) Tetrachloroethene	11.21	164	1252152	9.016	ppbv	99
53) Toluene	9.80	91	3972684	10.122	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1930658	9.673	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.11	131	1518699	8.768	ppbv	97
57) Chlorobenzene	12.14	112	2855165	8.338	ppbv	97
58) Ethyl Benzene	12.70	91	5025823	9.580	ppbv	98
59) m/p-Xylene	12.99	91	8306345m	17.813	ppbv	
60) o-Xylene	13.68	91	3927135	8.933	ppbv	98
61) Styrene	13.52	104	2151399	10.655	ppbv	99
62) Isopropylbenzene	14.66	105	5368310	8.624	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.67	83	2698507	7.131	ppbv	100
64) n-propylbenzene	15.55	120	1395634	8.750	ppbv	100
65) tert-Butylbenzene	16.73	119	4493786	8.168	ppbv	99
66) Benzyl Chloride	16.98	91	294754	10.253	ppbv	99
67) sec-Butylbenzene	17.28	105	6260977	8.260	ppbv	100
69) p-Isopropyltoluene	17.64	119	5157101	8.482	ppbv	100
70) n-Butylbenzene	18.54	91	4967921	8.892	ppbv	100
71) 2-Chlorotoluene	15.44	91	3865153	8.862	ppbv	99
72) 4-Ethyltoluene	15.83	105	4530072	8.994	ppbv	98
73) 1,3,5-Trimethylbenzene	15.99	105	4019865	8.523	ppbv	98
74) 1,2,4-Trimethylbenzene	16.75	105	4061229	8.219	ppbv #	92
75) 1,3-Dichlorobenzene	16.99	146	2437243	7.922	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	2398038	8.055	ppbv	98
77) 1,2-Dichlorobenzene	17.80	146	2326861	8.055	ppbv	100
78) Hexachloro-1,3-Butadiene	23.36	225	1872278	7.572	ppbv	100
79) Naphthalene	22.18	128	3079455	10.817	ppbv	99
80) Naphthalene,2-methyl-	24.96	142	438925	7.920	ppbv	98
81) 1,2,4-Trichlorobenzene	21.91	180	1727915	9.325	ppbv	99

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

