

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111821\
 Data File : VL038053.D
 Acq On : 18 Nov 2021 13:41
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 ICVVL111821

Manual Integrations
 APPROVED

Quant Time: Nov 19 07:23:52 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

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	837540	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2521083	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2299654m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1721208	10.38	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.06	85	1462229	10.569	ppbv 99
3) Chlorodifluoromethane	3.00	51	1703484	9.685	ppbv 99
4) Chloromethane	3.15	50	609221	10.175	ppbv 98
5) Vinyl Chloride	3.26	62	600858	10.229	ppbv 99
6) Bromomethane	3.48	94	307457	9.771	ppbv 99
7) Chloroethane	3.57	64	205357	9.851	ppbv 100
8) Dichlorotetrafluoroethane	3.20	85	1397633	10.156	ppbv 99
9) Propene	3.02	41	631757	9.753	ppbv 98
10) Heptane	8.12	43	1542503	9.635	ppbv 100
11) Trichlorofluoromethane	3.96	101	1300211	9.882	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	889831	9.561	ppbv 99
13) Ethanol	3.62	45	45671m	7.296	ppbv
14) Bromoethene	3.75	108	410999	9.862	ppbv 99
15) Acetone	3.85	43	695766	9.581	ppbv 100
16) 1,3-Butadiene	3.33	39	579654	10.232	ppbv 97
17) tert-Butyl alcohol	4.29	59	788512	8.952	ppbv 100
18) 1,1-Dichloroethene	4.29	96	410359	9.611	ppbv 99
19) Isopropyl Alcohol	3.97	45	430651m	8.208	ppbv
20) Methylene Chloride	4.35	84	359413	8.836	ppbv 98
21) Allyl Chloride	4.42	41	653824	9.727	ppbv 99
22) trans-1,2-Dichloroethene	4.89	96	430017	9.943	ppbv 98
23) Vinyl Acetate	5.08	43	1078786	10.262	ppbv 98
24) 1,1-Dichloroethane	5.02	63	856455	9.784	ppbv 99
25) Ethyl Acetate	5.68	43	2367363	9.809	ppbv 99
26) Hexane	5.69	57	1135135	9.758	ppbv 96
27) Carbon Disulfide	4.56	76	1047046	10.048	ppbv 99
28) Methyl tert-Butyl Ether	5.04	73	966467	9.781	ppbv 99
29) Chloroform	5.75	83	1677796	9.787	ppbv 98
30) Cyclohexane	7.13	84	1014948	9.611	ppbv 99
31) cis-1,2-Dichloroethene	5.56	61	1100325	9.944	ppbv 99
32) 1,1,1-Trichloroethane	6.51	97	1714893	9.856	ppbv 99
34) 2-Butanone	5.25	43	1053270	10.361	ppbv 98
35) Carbon Tetrachloride	7.02	117	1764759	9.963	ppbv 100
36) Benzene	6.90	78	2442669	9.713	ppbv 99
37) 1,2-Dichloroethane	6.31	62	1226393	10.097	ppbv 100
38) Trichloroethene	7.84	130	877270	9.248	ppbv 99
39) 1,2-Dichloropropane	7.62	63	945097	9.797	ppbv 99
40) 1,4-Dioxane	7.84	88	189163m	7.526	ppbv
41) Tetrahydrofuran	6.05	42	614586	9.739	ppbv 99
42) Bromodichloromethane	7.79	83	1847198	10.004	ppbv 99
43) Methyl Methacrylate	8.02	69	900113	10.462	ppbv 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3917730	9.311	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	793070	11.492	ppbv	96
46) cis-1,3-Dichloropropene	8.71	75	988356	10.588	ppbv	97
47) 1,1,2-Trichloroethane	9.48	97	971515	9.616	ppbv	96
48) Dibromochloromethane	10.30	129	1606084	10.438	ppbv	98
49) Bromoform	13.04	173	1160252	10.541	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	1570711	10.174	ppbv	100
51) 2-Hexanone	10.14	43	735020	10.120	ppbv #	99
52) Tetrachloroethene	11.23	164	809166	8.696	ppbv	96
53) Toluene	9.81	91	2787789	9.635	ppbv	99
54) 1,2-Dibromoethane	10.61	107	1413733	9.906	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	1007286	9.649	ppbv	95
57) Chlorobenzene	12.15	112	1974093	9.578	ppbv	99
58) Ethyl Benzene	12.71	91	3614641	9.510	ppbv	100
59) m/p-Xylene	13.00	91	5880405m	18.379	ppbv	
60) o-Xylene	13.70	91	2690212	9.064	ppbv	98
61) Styrene	13.53	104	1582782	9.946	ppbv	98
62) Isopropylbenzene	14.67	105	3897983	9.252	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	1954452	8.865	ppbv	99
64) n-propylbenzene	15.56	120	1053017	9.811	ppbv	100
65) tert-Butylbenzene	16.74	119	3392292	9.139	ppbv	100
66) Benzyl Chloride	16.99	91	195232	10.378	ppbv	100
67) sec-Butylbenzene	17.29	105	4849028	9.375	ppbv	100
69) p-Isopropyltoluene	17.65	119	3995888	9.876	ppbv	100
70) n-Butylbenzene	18.55	91	3985480	10.302	ppbv	100
71) 2-Chlorotoluene	15.45	91	2874849	9.333	ppbv	99
72) 4-Ethyltoluene	15.84	105	3485952	10.130	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	3066230	9.755	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	3107768	9.595	ppbv	98
75) 1,3-Dichlorobenzene	17.00	146	1798786	10.111	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	1774114	9.910	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	1737187	10.085	ppbv	100
78) Hexachloro-1,3-Butadiene	23.37	225	1042371	9.692	ppbv	99
79) Naphthalene	22.19	128	2142005	12.558	ppbv	99
80) Naphthalene,2-methyl-	24.97	142	513580	14.050	ppbv	99
81) 1,2,4-Trichlorobenzene	21.92	180	1134277	11.572	ppbv	99

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

