

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111621\
 Data File : VL038030.D
 Acq On : 16 Nov 2021 6:54
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 ICVVL111621

Manual Integrations
 APPROVED

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

Quant Time: Nov 16 10:03:42 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111621A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Tue Nov 16 09:59:16 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	719451	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2901742	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2659873m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2012318	10.47	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.70%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1320662	9.023	ppbv	99
3) Chlorodifluoromethane	2.99	51	1700216	9.090	ppbv	100
4) Chloromethane	3.14	50	622182	9.349	ppbv	98
5) Vinyl Chloride	3.26	62	622347	9.742	ppbv	97
6) Bromomethane	3.47	94	324238	9.497	ppbv	97
7) Chloroethane	3.56	64	208827	9.295	ppbv	91
8) Dichlorotetrafluoroethane	3.19	85	1403262	9.256	ppbv	100
9) Propene	3.01	41	638063	9.045	ppbv	99
10) Heptane	8.11	43	1581794	9.110	ppbv	100
11) Trichlorofluoromethane	3.95	101	1362655	9.423	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1047273	9.343	ppbv	98
13) Ethanol	3.62	45	56849m	9.091	ppbv	
14) Bromoethene	3.74	108	437310	9.331	ppbv	97
15) Acetone	3.85	43	722876	8.546	ppbv	98
16) 1,3-Butadiene	3.33	39	598458	9.554	ppbv	98
17) tert-Butyl alcohol	4.29	59	1036849	9.127	ppbv	99
18) 1,1-Dichloroethene	4.29	96	489282	9.458	ppbv	93
19) Isopropyl Alcohol	3.97	45	529106	8.542	ppbv #	40
20) Methylene Chloride	4.34	84	404452	8.151	ppbv	96
21) Allyl Chloride	4.41	41	785649	9.281	ppbv	100
22) trans-1,2-Dichloroethene	4.88	96	502939	9.636	ppbv	95
23) Vinyl Acetate	5.07	43	1313312	9.374	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1031280	9.437	ppbv	99
25) Ethyl Acetate	5.67	43	1781852	8.955	ppbv	100
26) Hexane	5.68	57	836167	8.365	ppbv	97
27) Carbon Disulfide	4.55	76	1296692	9.891	ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	1203944	9.391	ppbv	99
29) Chloroform	5.75	83	1419336	9.427	ppbv	98
30) Cyclohexane	7.12	84	1002743	8.907	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	797752	9.639	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	1699955	8.898	ppbv	100
34) 2-Butanone	5.24	43	821283	8.581	ppbv	98
35) Carbon Tetrachloride	7.01	117	1718424	8.568	ppbv	100
36) Benzene	6.89	78	2439769	8.839	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1178527	9.199	ppbv	99
38) Trichloroethene	7.83	130	889066	7.928	ppbv	98
39) 1,2-Dichloropropane	7.61	63	952609	8.928	ppbv	98
40) 1,4-Dioxane	7.83	88	239619	8.708	ppbv #	100
41) Tetrahydrofuran	6.04	42	616855	8.982	ppbv	99
42) Bromodichloromethane	7.78	83	1823376	9.040	ppbv	100
43) Methyl Methacrylate	8.01	69	898979	9.131	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4000448	8.436	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	810334	9.938	ppbv	96
46) cis-1,3-Dichloropropene	8.70	75	1019911	9.571	ppbv	97
47) 1,1,2-Trichloroethane	9.47	97	983352	9.073	ppbv	96
48) Dibromochloromethane	10.29	129	1612297	9.150	ppbv	99
49) Bromoform	13.03	173	1224058	9.003	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	1571584	9.106	ppbv	99
51) 2-Hexanone	10.13	43	752106	9.333	ppbv	99
52) Tetrachloroethene	11.21	164	830876	7.974	ppbv	98
53) Toluene	9.80	91	2815209	8.722	ppbv	99
54) 1,2-Dibromoethane	10.60	107	1403192	9.241	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.11	131	1032111	8.887	ppbv #	58
57) Chlorobenzene	12.14	112	1967884	9.023	ppbv	98
58) Ethyl Benzene	12.70	91	3617723	8.955	ppbv	100
59) m/p-Xylene	12.99	91	5928539m	17.660	ppbv	
60) o-Xylene	13.68	91	2723833	8.742	ppbv	99
61) Styrene	13.52	104	1621412	9.332	ppbv	97
62) Isopropylbenzene	14.65	105	3926281	8.715	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.66	83	1894058	8.130	ppbv	100
64) n-propylbenzene	15.55	120	1043470	9.085	ppbv	96
65) tert-Butylbenzene	16.73	119	3297777	8.342	ppbv	99
66) Benzyl Chloride	16.97	91	235613	8.534	ppbv	99
67) sec-Butylbenzene	17.28	105	4597351	8.418	ppbv	99
69) p-Isopropyltoluene	17.64	119	3750401	8.519	ppbv	100
70) n-Butylbenzene	18.54	91	3534256	8.757	ppbv	100
71) 2-Chlorotoluene	15.44	91	2840857	8.810	ppbv	99
72) 4-Ethyltoluene	15.82	105	3241782	8.725	ppbv	98
73) 1,3,5-Trimethylbenzene	15.98	105	2924608	8.606	ppbv	100
74) 1,2,4-Trimethylbenzene	16.75	105	2938804	8.589	ppbv	96
75) 1,3-Dichlorobenzene	16.98	146	1684577	8.921	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	1644378	8.500	ppbv	98
77) 1,2-Dichlorobenzene	17.81	146	1582531	8.739	ppbv	100
78) Hexachloro-1,3-Butadiene	23.36	225	888051	7.561	ppbv	98
79) Naphthalene	22.18	128	1765578	9.406	ppbv	98
80) Naphthalene,2-methyl-	24.96	142	430878	12.158	ppbv	92
81) 1,2,4-Trichlorobenzene	21.91	180	945624	8.909	ppbv	99

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

