

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111621\
 Data File : VL038029.D
 Acq On : 16 Nov 2021 5:36
 Operator : SY/AP
 Sample : VSTDICC015
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDICC015

Manual Integrations
 APPROVED

Quant Time: Nov 16 09:56:09 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111621A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Tue Nov 16 03:19:45 2021
 Response via : Initial Calibration

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	739631	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3027265	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2844414m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2107703	10.31	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.10%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.05	85	1824967	16.417	ppbv	99
3) Chlorodifluoromethane	2.99	51	2565812	17.474	ppbv	100
4) Chloromethane	3.14	50	957390	17.312	ppbv	98
5) Vinyl Chloride	3.26	62	951159	18.079	ppbv	95
6) Bromomethane	3.47	94	506447	17.805	ppbv	99
7) Chloroethane	3.56	64	331997	17.378	ppbv	97
8) Dichlorotetrafluoroethane	3.19	85	2069269	16.404	ppbv	98
9) Propene	3.02	41	978417	18.288	ppbv	99
10) Heptane	8.12	43	2357965	19.113	ppbv	98
11) Trichlorofluoromethane	3.95	101	2073961	18.794	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1595038	18.511	ppbv	99
13) Ethanol	3.61	45	83824m	16.123	ppbv	
14) Bromoethene	3.74	108	674493	18.209	ppbv	97
15) Acetone	3.85	43	1137650	17.547	ppbv	99
16) 1,3-Butadiene	3.33	39	926236	18.199	ppbv	98
17) tert-Butyl alcohol	4.29	59	1439955	19.502	ppbv	98
18) 1,1-Dichloroethene	4.29	96	737585	18.502	ppbv	94
19) Isopropyl Alcohol	3.97	45	754683	17.705	ppbv	92
20) Methylene Chloride	4.35	84	629768	17.705	ppbv	99
21) Allyl Chloride	4.41	41	1259827	20.543	ppbv	98
22) trans-1,2-Dichloroethene	4.88	96	804774	20.061	ppbv	99
23) Vinyl Acetate	5.07	43	2019933	19.930	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1571492	19.108	ppbv	99
25) Ethyl Acetate	5.67	43	2697201	14.686	ppbv	99
26) Hexane	5.69	57	1284874	14.687	ppbv	99
27) Carbon Disulfide	4.55	76	2006639	21.678	ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	1867094	22.597	ppbv	100
29) Chloroform	5.75	83	1813362	13.522	ppbv	98
30) Cyclohexane	7.13	84	1543500	19.342	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1242453	15.810	ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	2567848	19.167	ppbv	99
34) 2-Butanone	5.24	43	1276633	11.743	ppbv	99
35) Carbon Tetrachloride	7.01	117	2576947	13.894	ppbv	100
36) Benzene	6.89	78	3658034	14.634	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1840555	15.413	ppbv	99
38) Trichloroethene	7.83	130	1323381	12.929	ppbv	97
39) 1,2-Dichloropropane	7.61	63	1458523	15.316	ppbv	99
40) 1,4-Dioxane	7.83	88	333513	13.615	ppbv #	100
41) Tetrahydrofuran	6.05	42	946482	16.575	ppbv	100
42) Bromodichloromethane	7.79	83	2756387	15.181	ppbv	100
43) Methyl Methacrylate	8.01	69	1353505	16.311	ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5821850	13.755	ppbv	100
45) t-1,3-Dichloropropene	9.27	75	1280389	20.331	ppbv	100
46) cis-1,3-Dichloropropene	8.70	75	1556874	18.367	ppbv	97
47) 1,1,2-Trichloroethane	9.47	97	1480439	14.065	ppbv	96
48) Dibromochloromethane	10.30	129	2409155	15.976	ppbv	99
49) Bromoform	13.03	173	1829054	15.437	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2408874	16.065	ppbv	100
51) 2-Hexanone	10.13	43	1173838	18.129	ppbv	99
52) Tetrachloroethene	11.22	164	1244666	13.279	ppbv	98
53) Toluene	9.80	91	4184114	15.593	ppbv	99
54) 1,2-Dibromoethane	10.60	107	2123414	15.544	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.12	131	1556552	13.600	ppbv	88
57) Chlorobenzene	12.14	112	2901595	12.904	ppbv	99
58) Ethyl Benzene	12.70	91	5370999	15.372	ppbv	99
59) m/p-Xylene	12.99	91	8605735m	28.056	ppbv	
60) o-Xylene	13.69	91	3974676	13.769	ppbv	100
61) Styrene	13.52	104	2516916	18.508	ppbv	99
62) Isopropylbenzene	14.66	105	5764811	13.972	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	2782923	11.204	ppbv	100
64) n-propylbenzene	15.55	120	1568193	14.944	ppbv	90
65) tert-Butylbenzene	16.73	119	4719405	13.033	ppbv	100
66) Benzyl Chloride	16.98	91	393967	20.000	ppbv	98
67) sec-Butylbenzene	17.28	105	6626243	13.279	ppbv	99
69) p-Isopropyltoluene	17.64	119	5467794	13.686	ppbv	99
70) n-Butylbenzene	18.54	91	5214222	14.216	ppbv	99
71) 2-Chlorotoluene	15.44	91	4181826	14.526	ppbv	100
72) 4-Ethyltoluene	15.83	105	5024271	15.034	ppbv	100
73) 1,3,5-Trimethylbenzene	15.99	105	4429299	14.268	ppbv	97
74) 1,2,4-Trimethylbenzene	16.76	105	4223662	13.057	ppbv	93
75) 1,3-Dichlorobenzene	16.99	146	2547176	12.697	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	2576339m	13.237	ppbv	
77) 1,2-Dichlorobenzene	17.81	146	2404158	12.773	ppbv	100
78) Hexachloro-1,3-Butadiene	23.36	225	1319771	8.490	ppbv	100
79) Naphthalene	22.18	128	2792853	15.672	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	735275	23.968	ppbv	93
81) 1,2,4-Trichlorobenzene	21.91	180	1463297	12.627	ppbv	99

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

