

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050522\
 Data File : VL038963.D
 Acq On : 5 May 2022 6:34
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

Quant Time: May 05 07:37:21 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522A

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

QLast Update : Thu May 05 04:53:24 2022

Response via : Initial Calibration

Reviewed By : Semsettin Yesilyurt 05/07/2022
 Supervised By : Mahesh Dadoda 05/09/2022

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1281623	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3074026	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2859178m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2288785	10.12	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.20%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.05	85	2350057	11.343	ppbv	99
3) Chlorodifluoromethane	2.99	51	2223551	9.854	ppbv	98
4) Chloromethane	3.14	50	1110928	13.254	ppbv	97
5) Vinyl Chloride	3.26	62	1094973	12.777	ppbv	99
6) Bromomethane	3.47	94	531697	11.624	ppbv	98
7) Chloroethane	3.56	64	381123	13.024	ppbv	98
8) Dichlorotetrafluoroethane	3.19	85	2611435	13.262	ppbv	97
9) Propene	3.01	41	957714	12.942	ppbv	96
10) Heptane	8.11	43	2456102	12.960	ppbv	100
11) Trichlorofluoromethane	3.95	101	2531766	12.282	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1799568	13.504	ppbv	99
13) Ethanol	3.60	45	53523m	6.604	ppbv	
14) Bromoethene	3.74	108	778472	14.038	ppbv	97
15) Acetone	3.84	43	1778910	14.050	ppbv	100
16) 1,3-Butadiene	3.33	39	1021935	12.113	ppbv	100
17) tert-Butyl alcohol	4.28	59	1495910	14.035	ppbv	100
18) 1,1-Dichloroethene	4.29	96	797819	13.549	ppbv	98
19) Isopropyl Alcohol	3.95	45	933768	13.822	ppbv #	98
20) Methylene Chloride	4.34	84	652294	11.438	ppbv	98
21) Allyl Chloride	4.41	41	1328396	13.689	ppbv	98
22) trans-1,2-Dichloroethene	4.88	96	871656	15.618	ppbv	97
23) Vinyl Acetate	5.07	43	1518305	7.897	ppbv	98
24) 1,1-Dichloroethane	5.01	63	1658464	11.196	ppbv	98
25) Ethyl Acetate	5.67	43	4233637	14.121	ppbv	100
26) Hexane	5.68	57	1830880	13.402	ppbv	98
27) Carbon Disulfide	4.55	76	2086321	15.488	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1536339	10.179	ppbv	100
29) Chloroform	5.74	83	3008964	13.557	ppbv	99
30) Cyclohexane	7.12	84	1541446	13.929	ppbv	97
31) cis-1,2-Dichloroethene	5.54	61	1970205	14.760	ppbv	95
32) 1,1,1-Trichloroethane	6.50	97	3099050	13.866	ppbv	99
34) 2-Butanone	5.24	43	2225636	14.586	ppbv	99
35) Carbon Tetrachloride	7.01	117	3176214	13.475	ppbv	96
36) Benzene	6.88	78	3724619	13.281	ppbv	97
37) 1,2-Dichloroethane	6.30	62	2525002	15.040	ppbv	99
38) Trichloroethene	7.83	130	1609920	14.336	ppbv	98
39) 1,2-Dichloropropane	7.60	63	1494174	13.151	ppbv	96
40) 1,4-Dioxane	7.82	88	428119	14.681	ppbv #	54
41) Tetrahydrofuran	6.04	42	1589217	20.968	ppbv	98
42) Bromodichloromethane	7.78	83	3410759	14.948	ppbv	99
43) Methyl Methacrylate	8.00	69	1606737	16.605	ppbv	99

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44) 2,2,4-Trimethylpentane	7.86	57	6258549	12.617	ppbv	98
45) t-1,3-Dichloropropene	9.27	75	1938782	17.670	ppbv	100
46) cis-1,3-Dichloropropene	8.69	75	2318427	16.631	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	1530993	13.242	ppbv	97
48) Dibromochloromethane	10.29	129	2705427	15.218	ppbv	99
49) Bromoform	13.03	173	2096404	14.736	ppbv	96
50) 4-Methyl-2-Pentanone	8.73	43	4001752	17.544	ppbv	97
51) 2-Hexanone	10.12	43	3320718	25.720	ppbv #	100
52) Tetrachloroethene	11.21	164	1280252	12.364	ppbv	98
53) Toluene	9.80	91	4263520	14.236	ppbv	99
54) 1,2-Dibromoethane	10.60	107	2203779	13.534	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1834964	14.248	ppbv #	71
57) Chlorobenzene	12.13	112	3050179	12.753	ppbv	98
58) Ethyl Benzene	12.70	91	5722884	13.922	ppbv	99
59) m/p-Xylene	12.99	91	9808085m	27.286	ppbv	
60) o-Xylene	13.68	91	4628501	13.328	ppbv	100
61) Styrene	13.52	104	2669477	15.426	ppbv	98
62) Isopropylbenzene	14.65	105	6761124	14.296	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.66	83	2595696	9.972	ppbv	98
64) n-propylbenzene	15.55	120	1677207	14.540	ppbv	98
65) tert-Butylbenzene	16.73	119	5633670	13.720	ppbv	99
66) Benzyl Chloride	16.97	91	1186623	23.624	ppbv	99
67) sec-Butylbenzene	17.28	105	8042944	13.798	ppbv	99
69) p-Isopropyltoluene	17.64	119	6697646	14.701	ppbv	99
70) n-Butylbenzene	18.54	91	7295169	15.273	ppbv	99
71) 2-Chlorotoluene	15.44	91	5057674	14.217	ppbv	99
72) 4-Ethyltoluene	15.82	105	5311996	13.932	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	4935036	13.888	ppbv	95
74) 1,2,4-Trimethylbenzene	16.75	105	5133602	13.379	ppbv	94
75) 1,3-Dichlorobenzene	16.98	146	2924544	13.609	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	2843707	13.280	ppbv	98
77) 1,2-Dichlorobenzene	17.80	146	2842653	13.973	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	2372166	12.955	ppbv	99
79) Naphthalene	22.17	128	5312499	22.458	ppbv	98
80) Naphthalene,2-methyl-	24.95	142	1975124	38.260	ppbv	95
81) 1,2,4-Trichlorobenzene	21.90	180	2743825	19.106	ppbv	99

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

