

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020122\
 Data File : VL038317.D
 Acq On : 1 Feb 2022 10:56
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/07/2022
 Supervised By : Mahesh Dadoda 02/07/2022

Quant Time: Feb 02 05:55:37 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422A

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

QLast Update : Mon Jan 24 14:12:48 2022

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.63	49	937008	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.13	114	2642722	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.04	117	2428445m	10.00	ppbv	-0.05

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.37	95	1946658	10.56	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.60%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.03	85	1887107	9.461	ppbv	99
3) Chlorodifluoromethane	2.97	51	1608442	8.623	ppbv	100
4) Chloromethane	3.12	50	546643	8.518	ppbv	96
5) Vinyl Chloride	3.24	62	564014	8.806	ppbv	100
6) Bromomethane	3.45	94	322464	9.312	ppbv	96
7) Chloroethane	3.54	64	189336	8.752	ppbv	96
8) Dichlorotetrafluoroethane	3.17	85	1327611	8.601	ppbv	96
9) Propene	2.99	41	550481	9.066	ppbv	99
10) Heptane	8.08	43	1401239	8.969	ppbv	99
11) Trichlorofluoromethane	3.93	101	1440630	9.271	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1068038	9.093	ppbv	99
13) Ethanol	3.58	45	61452	9.427	ppbv	95
14) Bromoethene	3.72	108	429117	9.349	ppbv	98
15) Acetone	3.83	43	708409	8.576	ppbv	100
16) 1,3-Butadiene	3.31	39	519814	8.770	ppbv	97
17) tert-Butyl alcohol	4.26	59	810014	8.935	ppbv	98
18) 1,1-Dichloroethene	4.26	96	457846	8.963	ppbv	95
19) Isopropyl Alcohol	3.94	45	461244	8.926	ppbv #	97
20) Methylene Chloride	4.31	84	388418	8.085	ppbv	98
21) Allyl Chloride	4.38	41	716415	9.803	ppbv	99
22) trans-1,2-Dichloroethene	4.85	96	506400	9.595	ppbv	98
23) Vinyl Acetate	5.04	43	1195084	9.951	ppbv	98
24) 1,1-Dichloroethane	4.98	63	986663	9.222	ppbv	100
25) Ethyl Acetate	5.64	43	2185898	9.452	ppbv	100
26) Hexane	5.65	57	1002670	9.321	ppbv	99
27) Carbon Disulfide	4.52	76	1214170	9.648	ppbv	99
28) Methyl tert-Butyl Ether	5.00	73	1092953	9.795	ppbv	99
29) Chloroform	5.72	83	1587169	9.039	ppbv	100
30) Cyclohexane	7.09	84	863407	9.219	ppbv	99
31) cis-1,2-Dichloroethene	5.51	61	998064	10.637	ppbv	95
32) 1,1,1-Trichloroethane	6.47	97	1605149	9.153	ppbv	99
34) 2-Butanone	5.21	43	771452	8.927	ppbv	100
35) Carbon Tetrachloride	6.98	117	1662652	8.963	ppbv	97
36) Benzene	6.85	78	2152940	9.210	ppbv	99
37) 1,2-Dichloroethane	6.27	62	1210790	9.043	ppbv	99
38) Trichloroethene	7.79	130	779939	8.957	ppbv	99
39) 1,2-Dichloropropane	7.57	63	851029	8.980	ppbv	98
40) 1,4-Dioxane	7.79	88	214289	9.394	ppbv	70
41) Tetrahydrofuran	6.01	42	552426	9.509	ppbv	98
42) Bromodichloromethane	7.75	83	1788504	9.003	ppbv	99
43) Methyl Methacrylate	7.97	69	809646	9.792	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.83	57	3584331	8.701	ppbv	99
45) t-1,3-Dichloropropene	9.23	75	719563	10.711	ppbv	97
46) cis-1,3-Dichloropropene	8.66	75	909712	10.149	ppbv	97
47) 1,1,2-Trichloroethane	9.43	97	853114	9.161	ppbv	98
48) Dibromochloromethane	10.26	129	1474108	9.403	ppbv	99
49) Bromoform	12.99	173	1132095	10.016	ppbv	100
50) 4-Methyl-2-Pentanone	8.70	43	1424784	9.241	ppbv	100
51) 2-Hexanone	10.09	43	627566	9.242	ppbv #	94
52) Tetrachloroethene	11.18	164	707283	8.779	ppbv	96
53) Toluene	9.76	91	2419312	9.350	ppbv	98
54) 1,2-Dibromoethane	10.56	107	1262061	9.533	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.07	131	950286	8.940	ppbv #	59
57) Chlorobenzene	12.10	112	1742349	8.966	ppbv	98
58) Ethyl Benzene	12.66	91	3211031	8.997	ppbv	99
59) m/p-Xylene	12.95	91	5356129m	17.590	ppbv	
60) o-Xylene	13.64	91	2526329	8.921	ppbv	100
61) Styrene	13.48	104	1345312	10.179	ppbv	99
62) Isopropylbenzene	14.62	105	3387637	8.973	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.63	83	1792035	8.552	ppbv	100
64) n-propylbenzene	15.51	120	874688	9.631	ppbv	95
65) tert-Butylbenzene	16.70	119	2865406	9.215	ppbv	100
66) Benzyl Chloride	16.94	91	168711	11.944	ppbv	99
67) sec-Butylbenzene	17.25	105	4027376	9.310	ppbv	100
69) p-Isopropyltoluene	17.60	119	3224793	9.742	ppbv	99
70) n-Butylbenzene	18.50	91	3204661	9.884	ppbv	100
71) 2-Chlorotoluene	15.40	91	2626370	9.392	ppbv	99
72) 4-Ethyltoluene	15.79	105	2896658	9.781	ppbv	100
73) 1,3,5-Trimethylbenzene	15.95	105	2554508	9.591	ppbv	98
74) 1,2,4-Trimethylbenzene	16.71	105	2638117	9.402	ppbv	97
75) 1,3-Dichlorobenzene	16.94	146	1461933	9.709	ppbv	100
76) 1,4-Dichlorobenzene	17.09	146	1419570	9.738	ppbv	97
77) 1,2-Dichlorobenzene	17.77	146	1349194	9.648	ppbv	100
78) Hexachloro-1,3-Butadiene	23.32	225	722434	7.430	ppbv	99
79) Naphthalene	22.13	128	1241423	9.463	ppbv	98
80) Naphthalene,2-methyl-	24.93	142	228146	15.992	ppbv	89
81) 1,2,4-Trichlorobenzene	21.87	180	666605	8.639	ppbv	99

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

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