

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030322\
 Data File : VL038510.D
 Acq On : 3 Mar 2022 12:11
 Operator : SY/AP
 Sample : VL0303ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0303ABS01

Manual Integrations
 APPROVED

Quant Time: Mar 04 05:39:04 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222A

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

QLast Update : Tue Feb 22 19:45:51 2022

Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 03/05/2022
 Supervised By :Mahesh Dadoda 03/05/2022

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	830449	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.17	114	1981486	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.07	117	1847033m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1634665	10.70	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.00%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	1068246	8.12	ppbv	98
3) Chlorodifluoromethane	2.99	51	1505698	10.27	ppbv	99
4) Chloromethane	3.14	50	524036	10.28	ppbv	97
5) Vinyl Chloride	3.26	62	519179	9.75	ppbv	98
6) Bromomethane	3.47	94	296467	10.55	ppbv	98
7) Chloroethane	3.56	64	186073	10.88	ppbv	95
8) Dichlorotetrafluoroethane	3.19	85	1268726	10.37	ppbv	99
9) Propene	3.01	41	483523	9.99	ppbv	98
10) Heptane	8.11	43	1264001	10.72	ppbv	99
11) Trichlorofluoromethane	3.95	101	1312378	10.42	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	951925	10.31	ppbv	99
13) Ethanol	3.60	45	44803	9.27	ppbv	96
14) Bromoethene	3.74	108	380777	10.35	ppbv	100
15) Acetone	3.85	43	649046	9.19	ppbv	99
16) 1,3-Butadiene	3.33	39	485247	10.29	ppbv	95
17) tert-Butyl alcohol	4.28	59	768838	10.91	ppbv	100
18) 1,1-Dichloroethene	4.29	96	413850	10.21	ppbv	99
19) Isopropyl Alcohol	3.96	45	420760	10.29	ppbv	# 97
20) Methylene Chloride	4.34	84	324043	9.26	ppbv	95
21) Allyl Chloride	4.41	41	626074	10.50	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	436873	10.68	ppbv	96
23) Vinyl Acetate	5.07	43	999268	10.68	ppbv	99
24) 1,1-Dichloroethane	5.01	63	888530	10.56	ppbv	99
25) Ethyl Acetate	5.67	43	1983720	10.46	ppbv	100
26) Hexane	5.68	57	902843	10.51	ppbv	98
27) Carbon Disulfide	4.55	76	1054682	11.04	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	906764	10.36	ppbv	99
29) Chloroform	5.74	83	1494038	10.65	ppbv	99
30) Cyclohexane	7.12	84	760237	10.82	ppbv	97
31) cis-1,2-Dichloroethene	5.54	61	905307	10.88	ppbv	96
32) 1,1,1-Trichloroethane	6.50	97	1492733	10.58	ppbv	100
34) 2-Butanone	5.23	43	683795	10.97	ppbv	100
35) Carbon Tetrachloride	7.01	117	1542291	11.07	ppbv	99
36) Benzene	6.88	78	1855667	10.64	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1125417	11.16	ppbv	99
38) Trichloroethene	7.83	130	650529	10.24	ppbv	99
39) 1,2-Dichloropropane	7.60	63	734871	10.58	ppbv	95
40) 1,4-Dioxane	7.82	88	172461	10.46	ppbv	# 1
41) Tetrahydrofuran	6.04	42	447336	10.62	ppbv	99
42) Bromodichloromethane	7.78	83	1602504	11.01	ppbv	100
43) Methyl Methacrylate	8.01	69	683434	11.27	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	3212505	10.71	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	558115	11.52	ppbv	99
46) cis-1,3-Dichloropropene	8.69	75	714440	11.25	ppbv	97
47) 1,1,2-Trichloroethane	9.46	97	724449	10.48	ppbv	97
48) Dibromochloromethane	10.29	129	1209210	10.70	ppbv	99
49) Bromoform	13.03	173	811752	9.73	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	1272627	11.55	ppbv	99
51) 2-Hexanone	10.13	43	549835	11.15	ppbv #	99
52) Tetrachloroethene	11.21	164	552961	9.55	ppbv	96
53) Toluene	9.80	91	2039550	10.77	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1037599	10.66	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.12	131	796730	10.35	ppbv	96
57) Chlorobenzene	12.14	112	1372380	9.63	ppbv	98
58) Ethyl Benzene	12.70	91	2622611	10.38	ppbv	97
59) m/p-Xylene	12.99	91	4436157m	20.45	ppbv	
60) o-Xylene	13.68	91	2054434	10.02	ppbv	100
61) Styrene	13.52	104	983818	10.40	ppbv	97
62) Isopropylbenzene	14.66	105	2647057	9.62	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.66	83	1383840	8.31	ppbv	100
64) n-propylbenzene	15.55	120	644038	9.45	ppbv	89
65) tert-Butylbenzene	16.73	119	2172192	9.11	ppbv	98
66) Benzyl Chloride	16.98	91	111456m	8.65	ppbv	
67) sec-Butylbenzene	17.28	105	3044230	9.01	ppbv	99
69) p-Isopropyltoluene	17.64	119	2418402	9.12	ppbv	98
70) n-Butylbenzene	18.54	91	2583814	9.41	ppbv	99
71) 2-Chlorotoluene	15.44	91	1955481	9.24	ppbv	100
72) 4-Ethyltoluene	15.82	105	2183726	9.67	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	1895401	9.24	ppbv	97
74) 1,2,4-Trimethylbenzene	16.75	105	1990023	9.19	ppbv	99
75) 1,3-Dichlorobenzene	16.98	146	1049575	8.65	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	982257	8.21	ppbv	98
77) 1,2-Dichlorobenzene	17.80	146	978599	8.38	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	788785	8.86	ppbv	99
79) Naphthalene	22.18	128	1474659	12.56	ppbv	98
80) Naphthalene,2-methyl-	24.96	142	213233	9.30	ppbv	97
81) 1,2,4-Trichlorobenzene	21.91	180	789162	11.12	ppbv	100

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

