

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032322\
 Data File : VL038746.D
 Acq On : 24 Mar 2022 11:27
 Operator : SY/AP
 Sample : VL0323ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/25/2022
 Supervised By :Mahesh Dadoda 03/28/2022

Quant Time: Mar 25 01:48:19 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122A

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

QLast Update : Mon Mar 21 17:09:26 2022

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	890149	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.18	114	2507613	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.09	117	2218029m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1730325	10.18	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.80%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.06	85	1291563	10.79	ppbv	98
3) Chlorodifluoromethane	3.00	51	997948	10.62	ppbv	98
4) Chloromethane	3.15	50	551729	10.69	ppbv	99
5) Vinyl Chloride	3.27	62	541891	10.33	ppbv	99
6) Bromomethane	3.48	94	302854	10.83	ppbv	98
7) Chloroethane	3.56	64	181667	10.46	ppbv	94
8) Dichlorotetrafluoroethane	3.20	85	1261054	10.56	ppbv	94
9) Propene	3.02	41	498934	10.99	ppbv	98
10) Heptane	8.12	43	1160798	10.70	ppbv	99
11) Trichlorofluoromethane	3.95	101	1091236	10.33	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	858800	10.56	ppbv	97
13) Ethanol	3.61	45	32911	6.57	ppbv	79
14) Bromoethene	3.74	108	402613	11.14	ppbv	98
15) Acetone	3.85	43	785812	10.23	ppbv	97
16) 1,3-Butadiene	3.33	39	476173	10.92	ppbv	100
17) tert-Butyl alcohol	4.29	59	810278	12.08	ppbv	100
18) 1,1-Dichloroethene	4.29	96	393883	10.78	ppbv	98
19) Isopropyl Alcohol	3.97	45	455730	10.70	ppbv #	1
20) Methylene Chloride	4.35	84	319690	9.88	ppbv	97
21) Allyl Chloride	4.42	41	610796	11.05	ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	421560	11.13	ppbv	99
23) Vinyl Acetate	5.08	43	877699	11.80	ppbv	99
24) 1,1-Dichloroethane	5.01	63	781088	10.66	ppbv	99
25) Ethyl Acetate	5.68	43	2013901	10.42	ppbv	99
26) Hexane	5.69	57	910224	10.52	ppbv	97
27) Carbon Disulfide	4.56	76	978208	11.52	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	773102	11.99	ppbv	99
29) Chloroform	5.75	83	1423753	10.27	ppbv	99
30) Cyclohexane	7.13	84	801813	10.65	ppbv	97
31) cis-1,2-Dichloroethene	5.55	61	882077	10.84	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	1427362	10.67	ppbv	99
34) 2-Butanone	5.24	43	895711	9.02	ppbv	98
35) Carbon Tetrachloride	7.02	117	1473807	10.13	ppbv	98
36) Benzene	6.89	78	1959203	10.12	ppbv	99
37) 1,2-Dichloroethane	6.31	62	986107	10.02	ppbv	99
38) Trichloroethene	7.84	130	853236	10.52	ppbv	96
39) 1,2-Dichloropropane	7.61	63	743533	9.83	ppbv	97
40) 1,4-Dioxane	7.83	88	256856	9.78	ppbv #	1
41) Tetrahydrofuran	6.05	42	753316	10.20	ppbv	98
42) Bromodichloromethane	7.79	83	1513946	10.26	ppbv	99
43) Methyl Methacrylate	8.01	69	786032	10.94	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3139618	9.66	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	890616	12.19	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1108648	11.22	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	790743	9.79	ppbv	98
48) Dibromochloromethane	10.30	129	1353891	10.70	ppbv	99
49) Bromoform	13.04	173	1100875	10.68	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	1882513	10.20	ppbv	99
51) 2-Hexanone	10.13	43	1458749	11.01	ppbv #	99
52) Tetrachloroethene	11.22	164	736377	10.40	ppbv	96
53) Toluene	9.81	91	2217343	10.66	ppbv	100
54) 1,2-Dibromoethane	10.61	107	1157300	10.49	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.12	131	940271	10.23	ppbv	96
57) Chlorobenzene	12.15	112	1612519	10.08	ppbv	97
58) Ethyl Benzene	12.71	91	2793857	10.77	ppbv	99
59) m/p-Xylene	13.00	91	4672521m	20.60	ppbv	
60) o-Xylene	13.69	91	2192331	10.18	ppbv	98
61) Styrene	13.53	104	1378235	11.80	ppbv	99
62) Isopropylbenzene	14.67	105	3295629	10.18	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	1436896	8.61	ppbv	100
64) n-propylbenzene	15.56	120	893572	10.52	ppbv	97
65) tert-Butylbenzene	16.74	119	2916651	10.03	ppbv	99
66) Benzyl Chloride	16.99	91	710996	12.91	ppbv	99
67) sec-Butylbenzene	17.29	105	4130631	9.93	ppbv	99
69) p-Isopropyltoluene	17.65	119	3478082	10.24	ppbv	99
70) n-Butylbenzene	18.55	91	3548950	10.13	ppbv	100
71) 2-Chlorotoluene	15.45	91	2412301	10.04	ppbv	99
72) 4-Ethyltoluene	15.84	105	2731072	10.74	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	2369144	10.23	ppbv	97
74) 1,2,4-Trimethylbenzene	16.76	105	2514677	9.97	ppbv	97
75) 1,3-Dichlorobenzene	16.99	146	1608816	10.01	ppbv	98
76) 1,4-Dichlorobenzene	17.14	146	1553922	9.72	ppbv	98
77) 1,2-Dichlorobenzene	17.82	146	1596372	10.03	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	1429082	9.71	ppbv	100
79) Naphthalene	22.19	128	2665573	13.83	ppbv	99
80) Naphthalene,2-methyl-	24.97	142	589444	11.40	ppbv	100
81) 1,2,4-Trichlorobenzene	21.92	180	1524910	11.55	ppbv	99

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

