

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030822\
 Data File : VL038568.D
 Acq On : 9 Mar 2022 3:19
 Operator : SY/AP
 Sample : VL0308ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0308ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/13/2022
 Supervised By : Mahesh Dadoda 03/14/2022

Quant Time: Mar 09 08:39:34 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822A

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

QLast Update : Tue Mar 08 21:18:44 2022

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	871599	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2274351	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2196498m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1699178	10.17	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.70%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	1039923	7.90	ppbv	98
3) Chlorodifluoromethane	2.99	51	1404277	9.14	ppbv	100
4) Chloromethane	3.14	50	534135	9.38	ppbv	98
5) Vinyl Chloride	3.25	62	525578	9.19	ppbv	99
6) Bromomethane	3.47	94	299878	9.77	ppbv	96
7) Chloroethane	3.55	64	179189	9.68	ppbv	98
8) Dichlorotetrafluoroethane	3.19	85	1227820	9.62	ppbv	99
9) Propene	3.01	41	500971	9.24	ppbv	100
10) Heptane	8.11	43	1298114	10.01	ppbv	98
11) Trichlorofluoromethane	3.94	101	1118490	9.69	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	874699	9.75	ppbv	99
13) Ethanol	3.60	45	45857m	7.36	ppbv	
14) Bromoethene	3.74	108	379625	9.93	ppbv	98
15) Acetone	3.84	43	569370	9.26	ppbv	99
16) 1,3-Butadiene	3.32	39	486572	9.85	ppbv	97
17) tert-Butyl alcohol	4.28	59	617729	9.25	ppbv	99
18) 1,1-Dichloroethene	4.29	96	386481	9.62	ppbv	100
19) Isopropyl Alcohol	3.96	45	361580	8.81	ppbv #	96
20) Methylene Chloride	4.34	84	322184	8.71	ppbv	95
21) Allyl Chloride	4.40	41	579577	9.78	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	414956	9.86	ppbv	98
23) Vinyl Acetate	5.06	43	864018	9.80	ppbv	99
24) 1,1-Dichloroethane	5.00	63	777846	9.70	ppbv	98
25) Ethyl Acetate	5.67	43	2020484	9.76	ppbv	100
26) Hexane	5.68	57	948710	9.76	ppbv	100
27) Carbon Disulfide	4.54	76	1021867	10.55	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	747387	9.44	ppbv	98
29) Chloroform	5.74	83	1450307	9.58	ppbv	98
30) Cyclohexane	7.12	84	805704	9.58	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	901895	9.70	ppbv	99
32) 1,1,1-Trichloroethane	6.50	97	1374377	9.37	ppbv	100
34) 2-Butanone	5.23	43	624626	10.60	ppbv	100
35) Carbon Tetrachloride	7.01	117	1459801	9.41	ppbv	98
36) Benzene	6.88	78	1991958	9.71	ppbv	100
37) 1,2-Dichloroethane	6.29	62	967753	9.87	ppbv	100
38) Trichloroethene	7.82	130	758623	9.25	ppbv	99
39) 1,2-Dichloropropane	7.60	63	774787	9.82	ppbv	98
40) 1,4-Dioxane	7.82	88	186654	9.45	ppbv	91
41) Tetrahydrofuran	6.04	42	468833	9.72	ppbv	99
42) Bromodichloromethane	7.78	83	1532919	9.86	ppbv	99
43) Methyl Methacrylate	8.00	69	731812	10.39	ppbv	98

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	3319916	9.57	ppbv	100
45) t-1,3-Dichloropropene	9.26	75	571334	11.25	ppbv	98
46) cis-1,3-Dichloropropene	8.69	75	760493	10.95	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	805153	10.01	ppbv	97
48) Dibromochloromethane	10.29	129	1349651	10.57	ppbv	100
49) Bromoform	13.03	173	1062209	10.86	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	1241679	10.27	ppbv	99
51) 2-Hexanone	10.12	43	547788	10.73	ppbv #	99
52) Tetrachloroethene	11.21	164	708286	9.42	ppbv	98
53) Toluene	9.79	91	2276076	10.39	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1160564	10.10	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.11	131	860488	9.62	ppbv	99
57) Chlorobenzene	12.13	112	1601805	9.55	ppbv	99
58) Ethyl Benzene	12.70	91	2853244	10.03	ppbv	100
59) m/p-Xylene	12.98	91	4754569m	19.53	ppbv	
60) o-Xylene	13.68	91	2250134	9.79	ppbv	99
61) Styrene	13.51	104	1218955	10.76	ppbv	99
62) Isopropylbenzene	14.65	105	3079777	9.71	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	1693593	8.72	ppbv	99
64) n-propylbenzene	15.55	120	827667	10.24	ppbv	99
65) tert-Butylbenzene	16.73	119	2791206	9.84	ppbv	99
66) Benzyl Chloride	16.97	91	199690	11.88	ppbv	99
67) sec-Butylbenzene	17.28	105	4053099	10.05	ppbv	100
69) p-Isopropyltoluene	17.64	119	3428880	10.27	ppbv	99
70) n-Butylbenzene	18.53	91	3677160	10.34	ppbv	100
71) 2-Chlorotoluene	15.44	91	2325195	9.87	ppbv	98
72) 4-Ethyltoluene	15.82	105	2801963	10.61	ppbv	98
73) 1,3,5-Trimethylbenzene	15.98	105	2475104	10.10	ppbv	100
74) 1,2,4-Trimethylbenzene	16.75	105	2603664	9.94	ppbv	94
75) 1,3-Dichlorobenzene	16.98	146	1704433	10.32	ppbv	100
76) 1,4-Dichlorobenzene	17.12	146	1662036	10.16	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	1704108	10.19	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1513944	9.28	ppbv	100
79) Naphthalene	22.18	128	2989241	12.69	ppbv	99
80) Naphthalene,2-methyl-	24.96	142	552499	13.29	ppbv	97
81) 1,2,4-Trichlorobenzene	21.91	180	1650191	10.96	ppbv	100

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

