

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030922\
 Data File : VL038573.D
 Acq On : 9 Mar 2022 12:28
 Operator : SY/AP
 Sample : VL0309ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0309ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/10/2022
 Supervised By : Mahesh Dadoda 03/14/2022

Quant Time: Mar 10 00:47:16 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	5.67	49	889727	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.18	114	2366759	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	2139099m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1720959	10.58	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.80%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.06	85	1331474	9.91	ppbv	99
3) Chlorodifluoromethane	3.00	51	1441596	9.19	ppbv	99
4) Chloromethane	3.15	50	565618	9.73	ppbv	99
5) Vinyl Chloride	3.27	62	551401	9.45	ppbv	98
6) Bromomethane	3.48	94	302279	9.65	ppbv	99
7) Chloroethane	3.56	64	185664	9.82	ppbv	97
8) Dichlorotetrafluoroethane	3.20	85	1275995	9.79	ppbv	100
9) Propene	3.02	41	508435	9.18	ppbv	99
10) Heptane	8.13	43	1318889	9.96	ppbv	97
11) Trichlorofluoromethane	3.96	101	1164806	9.89	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	921146	10.05	ppbv	98
13) Ethanol	3.61	45	54074	8.50	ppbv	100
14) Bromoethene	3.74	108	402544	10.31	ppbv	100
15) Acetone	3.85	43	649435	10.35	ppbv	98
16) 1,3-Butadiene	3.34	39	495582	9.83	ppbv	97
17) tert-Butyl alcohol	4.29	59	674672	9.89	ppbv	100
18) 1,1-Dichloroethene	4.29	96	413715	10.09	ppbv	99
19) Isopropyl Alcohol	3.97	45	408372	9.75	ppbv	99
20) Methylene Chloride	4.35	84	338054	8.95	ppbv	100
21) Allyl Chloride	4.42	41	602122	9.95	ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	444798	10.35	ppbv	99
23) Vinyl Acetate	5.08	43	988526	10.99	ppbv	99
24) 1,1-Dichloroethane	5.02	63	805520	9.85	ppbv	100
25) Ethyl Acetate	5.68	43	2050158	9.70	ppbv	100
26) Hexane	5.69	57	964479	9.72	ppbv	99
27) Carbon Disulfide	4.56	76	1079499	10.92	ppbv	98
28) Methyl tert-Butyl Ether	5.04	73	803495	9.95	ppbv	100
29) Chloroform	5.75	83	1483857	9.61	ppbv	98
30) Cyclohexane	7.13	84	828164	9.65	ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	906935	9.55	ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	1420189	9.48	ppbv	100
34) 2-Butanone	5.25	43	631306	10.29	ppbv	97
35) Carbon Tetrachloride	7.02	117	1499003	9.29	ppbv	98
36) Benzene	6.90	78	2078801	9.73	ppbv	99
37) 1,2-Dichloroethane	6.31	62	997711	9.78	ppbv	100
38) Trichloroethene	7.84	130	796276	9.33	ppbv	98
39) 1,2-Dichloropropane	7.62	63	795708	9.69	ppbv	100
40) 1,4-Dioxane	7.84	88	200304	9.74	ppbv #	1
41) Tetrahydrofuran	6.05	42	492201	9.81	ppbv	99
42) Bromodichloromethane	7.80	83	1601063	9.89	ppbv	99
43) Methyl Methacrylate	8.02	69	754138	10.29	ppbv	96

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3411545	9.45	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	604099	11.43	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	775312	10.73	ppbv	97
47) 1,1,2-Trichloroethane	9.48	97	843433	10.08	ppbv	98
48) Dibromochloromethane	10.31	129	1425257	10.72	ppbv	99
49) Bromoform	13.04	173	1194487	11.73	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	1260399	10.02	ppbv	99
51) 2-Hexanone	10.14	43	532654	10.02	ppbv #	99
52) Tetrachloroethene	11.23	164	747055	9.54	ppbv	99
53) Toluene	9.81	91	2359001	10.35	ppbv	99
54) 1,2-Dibromoethane	10.61	107	1228584	10.27	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.13	131	917700	10.53	ppbv	98
57) Chlorobenzene	12.15	112	1707542	10.46	ppbv	98
58) Ethyl Benzene	12.71	91	3011380	10.87	ppbv	96
59) m/p-Xylene	13.00	91	5010998m	21.13	ppbv	
60) o-Xylene	13.70	91	2388358	10.67	ppbv	99
61) Styrene	13.53	104	1305588	11.83	ppbv	99
62) Isopropylbenzene	14.67	105	3311467	10.72	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	1831712	9.68	ppbv	100
64) n-propylbenzene	15.56	120	896701	11.39	ppbv	96
65) tert-Butylbenzene	16.74	119	2902702	10.51	ppbv	99
66) Benzyl Chloride	16.99	91	182753	11.16	ppbv	99
67) sec-Butylbenzene	17.29	105	4135445	10.53	ppbv	100
69) p-Isopropyltoluene	17.65	119	3399385	10.45	ppbv	99
70) n-Butylbenzene	18.55	91	3492931	10.08	ppbv	100
71) 2-Chlorotoluene	15.45	91	2499672	10.90	ppbv	99
72) 4-Ethyltoluene	15.84	105	2899175	11.27	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	2577737	10.80	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	2643987	10.37	ppbv	95
75) 1,3-Dichlorobenzene	17.00	146	1683208	10.46	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	1642578	10.31	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	1621602	9.96	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	1286617	8.10	ppbv	99
79) Naphthalene	22.19	128	2443268	10.65	ppbv	99
80) Naphthalene,2-methyl-	24.97	142	581681	14.36	ppbv	98
81) 1,2,4-Trichlorobenzene	21.92	180	1361385	9.29	ppbv	100

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

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