

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030422\
 Data File : VL038535.D
 Acq On : 4 Mar 2022 15:51
 Operator : SY/AP
 Sample : VL0304ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VL0304ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/07/2022
 Supervised By : Mahesh Dadoda 03/07/2022

Quant Time: Mar 05 15:43:38 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1005535	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.14	114	2445635	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.05	117	2288138m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.37	95	1791340	9.46	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	1255413	7.882	ppbv 96
3) Chlorodifluoromethane	2.98	51	1769655	9.967	ppbv 99
4) Chloromethane	3.13	50	600828	9.739	ppbv 97
5) Vinyl Chloride	3.24	62	603908	9.363	ppbv 99
6) Bromomethane	3.46	94	349777	10.281	ppbv 100
7) Chloroethane	3.54	64	216185	10.436	ppbv 99
8) Dichlorotetrafluoroethane	3.18	85	1476957	9.970	ppbv 100
9) Propene	3.00	41	571918	9.755	ppbv 98
10) Heptane	8.09	43	1499185	10.505	ppbv 99
11) Trichlorofluoromethane	3.93	101	1550242	10.167	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1145616	10.248	ppbv 98
13) Ethanol	3.59	45	56395m	9.639	ppbv
14) Bromoethene	3.72	108	467680	10.501	ppbv 98
15) Acetone	3.83	43	813605	9.515	ppbv 99
16) 1,3-Butadiene	3.31	39	597133	10.454	ppbv 97
17) tert-Butyl alcohol	4.26	59	948294	11.116	ppbv 98
18) 1,1-Dichloroethene	4.27	96	515772	10.509	ppbv 95
19) Isopropyl Alcohol	3.94	45	535945	10.823	ppbv # 99
20) Methylene Chloride	4.32	84	411521	9.713	ppbv 94
21) Allyl Chloride	4.39	41	758160	10.497	ppbv 99
22) trans-1,2-Dichloroethene	4.86	96	530850	10.720	ppbv 98
23) Vinyl Acetate	5.05	43	1243135	10.970	ppbv 100
24) 1,1-Dichloroethane	4.99	63	1068235	10.485	ppbv 99
25) Ethyl Acetate	5.65	43	2353434	10.244	ppbv 99
26) Hexane	5.66	57	1081558	10.396	ppbv 98
27) Carbon Disulfide	4.53	76	1310255	11.322	ppbv 100
28) Methyl tert-Butyl Ether	5.01	73	1119034	10.560	ppbv 99
29) Chloroform	5.73	83	1757790	10.352	ppbv 98
30) Cyclohexane	7.10	84	894546	10.513	ppbv 98
31) cis-1,2-Dichloroethene	5.52	61	1072696	10.642	ppbv 96
32) 1,1,1-Trichloroethane	6.48	97	1772121	10.378	ppbv 99
34) 2-Butanone	5.22	43	854318	11.107	ppbv 99
35) Carbon Tetrachloride	6.99	117	1853234	10.776	ppbv 99
36) Benzene	6.86	78	2264505	10.518	ppbv 97
37) 1,2-Dichloroethane	6.28	62	1357438	10.911	ppbv 100
38) Trichloroethene	7.80	130	814966	10.392	ppbv 95
39) 1,2-Dichloropropane	7.58	63	895711	10.445	ppbv 98
40) 1,4-Dioxane	7.80	88	235523	11.579	ppbv 73
41) Tetrahydrofuran	6.02	42	557948	10.736	ppbv 98
42) Bromodichloromethane	7.76	83	1981923	11.032	ppbv 97
43) Methyl Methacrylate	7.98	69	854369	11.415	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	7.83	57	3806931	10.287	ppbv	99
45) t-1,3-Dichloropropene	9.24	75	793679	13.269	ppbv	100
46) cis-1,3-Dichloropropene	8.67	75	983546	12.546	ppbv	97
47) 1,1,2-Trichloroethane	9.44	97	903221	10.587	ppbv	98
48) Dibromochloromethane	10.27	129	1560793	11.188	ppbv	99
49) Bromoform	13.00	173	1195713	11.612	ppbv	99
50) 4-Methyl-2-Pentanone	8.71	43	1576384	11.592	ppbv	99
51) 2-Hexanone	10.10	43	723622	11.885	ppbv #	100
52) Tetrachloroethene	11.19	164	725508	10.151	ppbv	97
53) Toluene	9.77	91	2532034	10.832	ppbv	100
54) 1,2-Dibromoethane	10.57	107	1328450	11.061	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.09	131	1017969	10.674	ppbv	95
57) Chlorobenzene	12.11	112	1814785	10.280	ppbv	99
58) Ethyl Benzene	12.67	91	3373814	10.783	ppbv	100
59) m/p-Xylene	12.96	91	5768365m	21.466	ppbv	
60) o-Xylene	13.65	91	2708152	10.661	ppbv	99
61) Styrene	13.49	104	1365078	11.651	ppbv	98
62) Isopropylbenzene	14.63	105	3550235	10.413	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.64	83	2026253	9.818	ppbv	100
64) n-propylbenzene	15.52	120	909555	10.775	ppbv	92
65) tert-Butylbenzene	16.71	119	3176032	10.755	ppbv	99
66) Benzyl Chloride	16.95	91	226127	14.171	ppbv	98
67) sec-Butylbenzene	17.26	105	4478646	10.704	ppbv	99
69) p-Isopropyltoluene	17.61	119	3623674	11.026	ppbv	99
70) n-Butylbenzene	18.51	91	3875288	11.394	ppbv	100
71) 2-Chlorotoluene	15.41	91	2829582	10.793	ppbv	100
72) 4-Ethyltoluene	15.80	105	3110232	11.113	ppbv	99
73) 1,3,5-Trimethylbenzene	15.96	105	2770882	10.902	ppbv	98
74) 1,2,4-Trimethylbenzene	16.73	105	2980476	11.107	ppbv	97
75) 1,3-Dichlorobenzene	16.95	146	1638087	10.899	ppbv	99
76) 1,4-Dichlorobenzene	17.10	146	1582701	10.678	ppbv	99
77) 1,2-Dichlorobenzene	17.78	146	1524991	10.541	ppbv	98
78) Hexachloro-1,3-Butadiene	23.34	225	1070134	9.699	ppbv	100
79) Naphthalene	22.15	128	1982614	13.636	ppbv	98
80) Naphthalene,2-methyl-	24.94	142	424502	14.939	ppbv	98
81) 1,2,4-Trichlorobenzene	21.88	180	1095081	12.457	ppbv	99

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

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