

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL012722\
 Data File : VL038300.D
 Acq On : 27 Jan 2022 17:26
 Operator : SY/AP
 Sample : VL0127ABS02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0127ABS02

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 01/28/2022
 Supervised By : Mahesh Dadoda 01/28/2022

Quant Time: Jan 28 05:58:03 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422A

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

QLast Update : Mon Jan 24 14:12:48 2022

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	828039	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	2231008	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	2022965m	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1559025	10.15	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.50%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.04	85	1769520	10.039	ppbv	98
3) Chlorodifluoromethane	2.98	51	1515767	9.195	ppbv	100
4) Chloromethane	3.13	50	509785	8.989	ppbv	99
5) Vinyl Chloride	3.25	62	529269	9.351	ppbv	97
6) Bromomethane	3.47	94	296613	9.693	ppbv	96
7) Chloroethane	3.55	64	185320	9.693	ppbv	98
8) Dichlorotetrafluoroethane	3.18	85	1256464	9.212	ppbv	97
9) Propene	3.01	41	514306	9.584	ppbv	99
10) Heptane	8.10	43	1300864	9.422	ppbv	99
11) Trichlorofluoromethane	3.94	101	1300955	9.474	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	972556	9.369	ppbv	99
13) Ethanol	3.60	45	64403	11.180	ppbv	91
14) Bromoethene	3.73	108	400077	9.863	ppbv	99
15) Acetone	3.84	43	632619	8.667	ppbv	100
16) 1,3-Butadiene	3.32	39	508272	9.703	ppbv	99
17) tert-Butyl alcohol	4.28	59	805745	10.058	ppbv	97
18) 1,1-Dichloroethene	4.28	96	426095	9.440	ppbv	97
19) Isopropyl Alcohol	3.95	45	501067	10.973	ppbv #	97
20) Methylene Chloride	4.33	84	350541	8.257	ppbv	99
21) Allyl Chloride	4.40	41	649497	10.057	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	598146	12.824	ppbv	92
23) Vinyl Acetate	5.06	43	1463449	13.789	ppbv	98
24) 1,1-Dichloroethane	5.00	63	1228159	12.990	ppbv	99
25) Ethyl Acetate	5.66	43	2083837	10.196	ppbv	100
26) Hexane	5.67	57	948155	9.975	ppbv	99
27) Carbon Disulfide	4.54	76	1078231	9.695	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1353595	13.727	ppbv	99
29) Chloroform	5.74	83	1525266	9.830	ppbv	99
30) Cyclohexane	7.11	84	787812	9.518	ppbv	99
31) cis-1,2-Dichloroethene	5.53	61	988434	11.920	ppbv	94
32) 1,1,1-Trichloroethane	6.49	97	1508820	9.736	ppbv	99
34) 2-Butanone	5.23	43	981010	13.446	ppbv	99
35) Carbon Tetrachloride	7.00	117	1555230	9.931	ppbv	99
36) Benzene	6.87	78	1985352	10.061	ppbv	99
37) 1,2-Dichloroethane	6.29	62	1140748	10.092	ppbv	98
38) Trichloroethene	7.82	130	725403	9.868	ppbv	98
39) 1,2-Dichloropropane	7.59	63	777082	9.713	ppbv	98
40) 1,4-Dioxane	7.81	88	227842	11.832	ppbv #	1
41) Tetrahydrofuran	6.03	42	501169	10.219	ppbv	98
42) Bromodichloromethane	7.77	83	1671707	9.969	ppbv	99
43) Methyl Methacrylate	7.99	69	743059	10.645	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	7.85	57	3324619	9.560	ppbv	100
45) t-1,3-Dichloropropene	9.26	75	657706	11.597	ppbv	99
46) cis-1,3-Dichloropropene	8.68	75	828579	10.950	ppbv	99
47) 1,1,2-Trichloroethane	9.45	97	782342	9.952	ppbv	98
48) Dibromochloromethane	10.28	129	1364983	10.313	ppbv	99
49) Bromoform	13.01	173	1045776	10.960	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	1315354	10.106	ppbv	99
51) 2-Hexanone	10.11	43	585081	10.207	ppbv	97
52) Tetrachloroethene	11.20	164	649554	9.550	ppbv	98
53) Toluene	9.78	91	2237374	10.243	ppbv	99
54) 1,2-Dibromoethane	10.58	107	1162383	10.400	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.10	131	878699	9.924	ppbv	99
57) Chlorobenzene	12.12	112	1605522	9.918	ppbv	98
58) Ethyl Benzene	12.68	91	2987770	10.049	ppbv	99
59) m/p-Xylene	12.97	91	4977369m	19.623	ppbv	
60) o-Xylene	13.66	91	2344519	9.938	ppbv	99
61) Styrene	13.50	104	1230475	11.176	ppbv	99
62) Isopropylbenzene	14.64	105	3127472	9.944	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	1669511	9.564	ppbv	100
64) n-propylbenzene	15.54	120	792097	10.469	ppbv	99
65) tert-Butylbenzene	16.72	119	2656713	10.256	ppbv	100
66) Benzyl Chloride	16.96	91	150839	12.819	ppbv	100
67) sec-Butylbenzene	17.27	105	3692095	10.246	ppbv	100
69) p-Isopropyltoluene	17.63	119	2967969	10.763	ppbv	99
70) n-Butylbenzene	18.52	91	2966940	10.985	ppbv	99
71) 2-Chlorotoluene	15.43	91	2431173	10.437	ppbv	99
72) 4-Ethyltoluene	15.81	105	2692050	10.912	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	2352189	10.602	ppbv	100
74) 1,2,4-Trimethylbenzene	16.73	105	2422175	10.363	ppbv	95
75) 1,3-Dichlorobenzene	16.97	146	1343250	10.709	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	1303559	10.735	ppbv	99
77) 1,2-Dichlorobenzene	17.79	146	1230375	10.561	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	631982	7.803	ppbv	99
79) Naphthalene	22.17	128	1008091	9.225	ppbv	98
80) Naphthalene,2-methyl-	24.95	142	131652	11.078	ppbv	98
81) 1,2,4-Trichlorobenzene	21.89	180	545253	8.483	ppbv	95

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

