

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012622\
 Data File : VL038286.D
 Acq On : 26 Jan 2022 12:54
 Operator : SY/AP
 Sample : VL0126ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VL0126ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 01/27/2022
 Supervised By : Mahesh Dadoda 01/28/2022

Quant Time: Jan 27 03:27:46 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	844125	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	2229401	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	2033244m	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	1610340	10.43	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	1793994	9.984	ppbv 99
3) Chlorodifluoromethane	2.98	51	1525200	9.076	ppbv 99
4) Chloromethane	3.13	50	509263	8.809	ppbv 100
5) Vinyl Chloride	3.25	62	525834	9.113	ppbv 95
6) Bromomethane	3.47	94	297689	9.543	ppbv 99
7) Chloroethane	3.55	64	184278	9.455	ppbv 97
8) Dichlorotetrafluoroethane	3.18	85	1299684	9.347	ppbv 98
9) Propene	3.01	41	502745	9.190	ppbv 98
10) Heptane	8.10	43	1304960	9.272	ppbv 99
11) Trichlorofluoromethane	3.94	101	1276188	9.116	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	950559	8.983	ppbv 98
13) Ethanol	3.59	45	50566	8.611	ppbv 91
14) Bromoethene	3.73	108	377365	9.126	ppbv 97
15) Acetone	3.83	43	635188	8.536	ppbv 99
16) 1,3-Butadiene	3.32	39	503027	9.420	ppbv 98
17) tert-Butyl alcohol	4.27	59	684570	8.382	ppbv 99
18) 1,1-Dichloroethene	4.28	96	423135	9.195	ppbv 96
19) Isopropyl Alcohol	3.95	45	391671	8.414	ppbv 99
20) Methylene Chloride	4.33	84	347761	8.035	ppbv 96
21) Allyl Chloride	4.40	41	625793	9.505	ppbv 98
22) trans-1,2-Dichloroethene	4.87	96	447326	9.408	ppbv 100
23) Vinyl Acetate	5.05	43	968919	8.956	ppbv 99
24) 1,1-Dichloroethane	5.00	63	886096	9.193	ppbv 99
25) Ethyl Acetate	5.66	43	2023251	9.711	ppbv 100
26) Hexane	5.67	57	922876	9.524	ppbv 99
27) Carbon Disulfide	4.54	76	1075679	9.488	ppbv 100
28) Methyl tert-Butyl Ether	5.01	73	935111	9.302	ppbv 100
29) Chloroform	5.73	83	1502724	9.500	ppbv 99
30) Cyclohexane	7.11	84	795567	9.429	ppbv 100
31) cis-1,2-Dichloroethene	5.53	61	924837	10.941	ppbv 97
32) 1,1,1-Trichloroethane	6.49	97	1490944	9.437	ppbv 99
34) 2-Butanone	5.22	43	672067	9.218	ppbv 99
35) Carbon Tetrachloride	7.00	117	1550372	9.907	ppbv 100
36) Benzene	6.87	78	1967057	9.975	ppbv 99
37) 1,2-Dichloroethane	6.29	62	1145477	10.141	ppbv 99
38) Trichloroethene	7.81	130	693071	9.435	ppbv 96
39) 1,2-Dichloropropane	7.59	63	776944	9.718	ppbv 98
40) 1,4-Dioxane	7.81	88	189989	9.873	ppbv 78
41) Tetrahydrofuran	6.03	42	493060	10.060	ppbv 99
42) Bromodichloromethane	7.77	83	1671860	9.977	ppbv 99
43) Methyl Methacrylate	7.99	69	736211	10.555	ppbv 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	3304161	9.508	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	655444	11.566	ppbv	98
46) cis-1,3-Dichloropropene	8.68	75	810207	10.715	ppbv	98
47) 1,1,2-Trichloroethane	9.45	97	786136	10.007	ppbv	99
48) Dibromochloromethane	10.27	129	1365127	10.322	ppbv	100
49) Bromoform	13.01	173	1044313	10.953	ppbv	100
50) 4-Methyl-2-Pentanone	8.72	43	1335277	10.267	ppbv	99
51) 2-Hexanone	10.11	43	584674	10.207	ppbv #	98
52) Tetrachloroethene	11.20	164	638918	9.401	ppbv	99
53) Toluene	9.78	91	2220787	10.174	ppbv	100
54) 1,2-Dibromoethane	10.58	107	1164757	10.429	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.10	131	881981	9.911	ppbv	98
57) Chlorobenzene	12.12	112	1591253	9.780	ppbv	100
58) Ethyl Benzene	12.68	91	2976078	9.959	ppbv	98
59) m/p-Xylene	12.97	91	5027020m	19.718	ppbv	
60) o-Xylene	13.66	91	2366027	9.978	ppbv	99
61) Styrene	13.50	104	1248158	11.279	ppbv	99
62) Isopropylbenzene	14.64	105	3150832	9.968	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.64	83	1710458	9.749	ppbv	100
64) n-propylbenzene	15.53	120	806743	10.609	ppbv	98
65) tert-Butylbenzene	16.72	119	2661749	10.224	ppbv	100
66) Benzyl Chloride	16.96	91	152415	12.887	ppbv	98
67) sec-Butylbenzene	17.27	105	3731768	10.304	ppbv	99
69) p-Isopropyltoluene	17.62	119	2994230	10.803	ppbv	99
70) n-Butylbenzene	18.52	91	3038320	11.192	ppbv	99
71) 2-Chlorotoluene	15.42	91	2460965	10.511	ppbv	99
72) 4-Ethyltoluene	15.81	105	2684096	10.824	ppbv	100
73) 1,3,5-Trimethylbenzene	15.97	105	2383392	10.688	ppbv	98
74) 1,2,4-Trimethylbenzene	16.73	105	2454599	10.448	ppbv	95
75) 1,3-Dichlorobenzene	16.97	146	1359622	10.785	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	1322022	10.832	ppbv	98
77) 1,2-Dichlorobenzene	17.79	146	1254401	10.713	ppbv	99
78) Hexachloro-1,3-Butadiene	23.34	225	664311	8.160	ppbv	99
79) Naphthalene	22.16	128	1145471m	10.429	ppbv	
80) Naphthalene, 2-methyl-	24.95	142	212779	17.813	ppbv	97
81) 1,2,4-Trichlorobenzene	21.89	180	629444m	9.743	ppbv	

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

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