

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL012722\
 Data File : VL038299.D
 Acq On : 27 Jan 2022 16:32
 Operator : SY/AP
 Sample : VL0127ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0127ABS01

Manual Integrations
 APPROVED

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

Quant Time: Jan 28 05:56:00 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	779765	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.16	114	2148442	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	1919087m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1481725	10.17	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.70%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.04	85	1411671	8.504	ppbv	99
3) Chlorodifluoromethane	2.98	51	1526460	9.833	ppbv	100
4) Chloromethane	3.13	50	499458	9.352	ppbv	98
5) Vinyl Chloride	3.25	62	519782	9.752	ppbv	98
6) Bromomethane	3.47	94	296352	10.284	ppbv	99
7) Chloroethane	3.55	64	175964	9.774	ppbv	90
8) Dichlorotetrafluoroethane	3.18	85	1294659	10.079	ppbv	98
9) Propene	3.01	41	503511	9.964	ppbv	100
10) Heptane	8.10	43	1295520	9.965	ppbv	100
11) Trichlorofluoromethane	3.94	101	1285501	9.941	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	929531	9.509	ppbv	97
13) Ethanol	3.59	45	49474	9.120	ppbv	88
14) Bromoethene	3.73	108	379382	9.932	ppbv	97
15) Acetone	3.84	43	623207	9.066	ppbv	100
16) 1,3-Butadiene	3.32	39	493790	10.011	ppbv	100
17) tert-Butyl alcohol	4.27	59	723408	9.589	ppbv	98
18) 1,1-Dichloroethene	4.28	96	409464	9.633	ppbv	98
19) Isopropyl Alcohol	3.95	45	408582	9.502	ppbv	99
20) Methylene Chloride	4.33	84	331494	8.292	ppbv	96
21) Allyl Chloride	4.40	41	620436	10.201	ppbv	98
22) trans-1,2-Dichloroethene	4.87	96	436477	9.938	ppbv	99
23) Vinyl Acetate	5.06	43	986006	9.866	ppbv	99
24) 1,1-Dichloroethane	5.00	63	874516	9.822	ppbv	99
25) Ethyl Acetate	5.66	43	1974061	10.257	ppbv	100
26) Hexane	5.67	57	897364	10.025	ppbv	99
27) Carbon Disulfide	4.54	76	1067897	10.197	ppbv	98
28) Methyl tert-Butyl Ether	5.02	73	909801	9.797	ppbv	98
29) Chloroform	5.74	83	1480307	10.131	ppbv	99
30) Cyclohexane	7.11	84	770313	9.883	ppbv	97
31) cis-1,2-Dichloroethene	5.53	61	724176	9.274	ppbv	98
32) 1,1,1-Trichloroethane	6.49	97	1468785	10.064	ppbv	99
34) 2-Butanone	5.23	43	678148	9.652	ppbv	100
35) Carbon Tetrachloride	7.00	117	1530321	10.148	ppbv	95
36) Benzene	6.87	78	1935417	10.184	ppbv	99
37) 1,2-Dichloroethane	6.29	62	1136753	10.443	ppbv	99
38) Trichloroethene	7.82	130	691971	9.775	ppbv	96
39) 1,2-Dichloropropane	7.59	63	775345	10.063	ppbv	98
40) 1,4-Dioxane	7.81	88	186633	10.064	ppbv	80
41) Tetrahydrofuran	6.03	42	487070	10.313	ppbv	99
42) Bromodichloromethane	7.77	83	1671863	10.353	ppbv	99
43) Methyl Methacrylate	7.99	69	723187	10.759	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	3260844	9.737	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	649942	11.901	ppbv	100
46) cis-1,3-Dichloropropene	8.68	75	804607	11.042	ppbv	98
47) 1,1,2-Trichloroethane	9.45	97	769691	10.167	ppbv	98
48) Dibromochloromethane	10.28	129	1323831	10.387	ppbv	98
49) Bromoform	13.01	173	995361	10.833	ppbv	98
50) 4-Methyl-2-Pentanone	8.72	43	1327038	10.588	ppbv	98
51) 2-Hexanone	10.11	43	586228	10.620	ppbv #	99
52) Tetrachloroethene	11.20	164	625569	9.551	ppbv	98
53) Toluene	9.78	91	2184484	10.385	ppbv	99
54) 1,2-Dibromoethane	10.59	107	1137345	10.567	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.10	131	853389	10.160	ppbv	97
57) Chlorobenzene	12.12	112	1548836	10.086	ppbv	99
58) Ethyl Benzene	12.68	91	2898232	10.276	ppbv	99
59) m/p-Xylene	12.97	91	4929737m	20.487	ppbv	
60) o-Xylene	13.67	91	2315310	10.345	ppbv	100
61) Styrene	13.50	104	1200496	11.494	ppbv	99
62) Isopropylbenzene	14.64	105	3079372	10.321	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	1705742	10.301	ppbv	100
64) n-propylbenzene	15.53	120	790195	11.010	ppbv	98
65) tert-Butylbenzene	16.72	119	2664706m	10.844	ppbv	
66) Benzyl Chloride	16.96	91	143673	12.871	ppbv	98
67) sec-Butylbenzene	17.27	105	3736269	10.930	ppbv	100
69) p-Isopropyltoluene	17.63	119	3005460	11.489	ppbv	99
70) n-Butylbenzene	18.52	91	3019361	11.784	ppbv	100
71) 2-Chlorotoluene	15.42	91	2430543	10.999	ppbv	99
72) 4-Ethyltoluene	15.81	105	2664684	11.385	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	2366356	11.243	ppbv	98
74) 1,2,4-Trimethylbenzene	16.73	105	2456930	11.080	ppbv	96
75) 1,3-Dichlorobenzene	16.97	146	1369858	11.512	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	1328407	11.531	ppbv	99
77) 1,2-Dichlorobenzene	17.79	146	1255000	11.356	ppbv	99
78) Hexachloro-1,3-Butadiene	23.34	225	663738m	8.638	ppbv	
79) Naphthalene	22.16	128	1226968	11.835	ppbv	97
80) Naphthalene,2-methyl-	24.95	142	245366	21.763	ppbv	91
81) 1,2,4-Trichlorobenzene	21.90	180	653355m	10.715	ppbv	

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

