

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071222\
 Data File : VL039444.D
 Acq On : 12 Jul 2022 11:46
 Operator : SY/AP
 Sample : VL0712ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0712ABS01

Quant Time: Jul 13 01:31:07 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 13 2022

QLast Update : Wed Jul 06 02:15:38 2022

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 07/13/2022
 Supervised By : Mahesh Dadoda 07/13/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.684	49	1380576	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	7.192	114	3895122	10.000	ppbv	0.04
55) Chlorobenzene-d5	12.102	117	3926999	10.000	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.433 95 2918857 10.019 ppbv 0.04
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.063	85	1874977	9.416	ppbv	98
3) Chlorodifluoromethane	3.005	51	1503627	8.585	ppbv	100
4) Chloromethane	3.157	50	823899	8.601	ppbv	99
5) Vinyl Chloride	3.272	62	811972	8.596	ppbv	98
6) Bromomethane	3.488	94	347481	8.740	ppbv	94
7) Chloroethane	3.575	64	305052	9.079	ppbv	100
8) Dichlorotetrafluoroethane	3.205	85	1973330	9.072	ppbv	99
9) Propene	3.028	41	673548	8.515	ppbv	98
10) Heptane	8.137	43	1733134	9.355	ppbv	100
11) Trichlorofluoromethane	3.967	101	1961225	8.838	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.501	101	1443256	8.725	ppbv	99
13) Ethanol	3.610	45	46637m	10.162	ppbv	
14) Bromoethene	3.758	108	629993	9.059	ppbv	99
15) Acetone	3.864	43	1421971	8.706	ppbv	99
16) 1,3-Butadiene	3.343	39	778724	9.189	ppbv	99
17) tert-Butyl alcohol	4.295	59	1291676	9.318	ppbv	99
18) 1,1-Dichloroethene	4.308	96	648485	8.653	ppbv	96
19) Isopropyl Alcohol	3.973	45	747226	8.577	ppbv #	96
20) Methylene Chloride	4.359	84	549058	8.434	ppbv	96
21) Allyl Chloride	4.427	41	1001048	8.849	ppbv	99
22) trans-1,2-Dichloroethene	4.902	96	680882	9.386	ppbv	96
23) Vinyl Acetate	5.089	43	1122401	10.283	ppbv	99
24) 1,1-Dichloroethane	5.028	63	1457621	9.455	ppbv	97
25) Ethyl Acetate	5.690	43	3090945	9.229	ppbv	99
26) Hexane	5.703	57	1331069	9.860	ppbv	99
27) Carbon Disulfide	4.568	76	1613173	9.900	ppbv	99
28) Methyl tert-Butyl Ether	5.047	73	1402943	9.720	ppbv	98
29) Chloroform	5.771	83	2072523	8.829	ppbv	98
30) Cyclohexane	7.150	84	1127749	9.176	ppbv	99
31) cis-1,2-Dichloroethene	5.565	61	1311559	9.156	ppbv	99
32) 1,1,1-Trichloroethane	6.529	97	2113927	9.124	ppbv	100
34) 2-Butanone	5.256	43	1813078	9.247	ppbv	99
35) Carbon Tetrachloride	7.034	117	2274921	9.452	ppbv	98
36) Benzene	6.909	78	2741915	9.095	ppbv	98
37) 1,2-Dichloroethane	6.320	62	1575622	8.855	ppbv	100
38) Trichloroethene	7.851	130	1465889	8.990	ppbv	99
39) 1,2-Dichloropropane	7.629	63	1039465	9.230	ppbv	96
40) 1,4-Dioxane	7.848	88	398082	8.870	ppbv #	1
41) Tetrahydrofuran	6.063	42	1072941	9.443	ppbv	99
42) Bromodichloromethane	7.809	83	2312212	9.638	ppbv	97
43) Methyl Methacrylate	8.031	69	1120762	9.777	ppbv	99
44) 2,2,4-Trimethylpentane	7.886	57	4593491	8.992	ppbv	99
45) t-1,3-Dichloropropene	9.295	75	1135936	11.130	ppbv	98

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46) cis-1,3-Dichloropropene	8.719	75	1488771	10.598	ppbv	98
47) 1,1,2-Trichloroethane	9.491	97	1158475	9.168	ppbv	97
48) Dibromochloromethane	10.320	129	2069884	10.306	ppbv	100
49) Bromoform	13.056	173	1746601	10.780	ppbv	100
50) 4-Methyl-2-Pentanone	8.754	43	2862190	9.654	ppbv	100
51) 2-Hexanone	10.147	43	2233717	9.961	ppbv #	98
52) Tetrachloroethene	11.240	164	1100130	9.065	ppbv	98
53) Toluene	9.825	91	3339032	9.602	ppbv	100
54) 1,2-Dibromoethane	10.626	107	1521454	9.676	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.143	131	1507615	8.690	ppbv #	57
57) Chlorobenzene	12.166	112	2531356	8.314	ppbv	98
58) Ethyl Benzene	12.729	91	4435611	8.747	ppbv	98
59) m/p-Xylene	13.008	91	7622564m	17.051	ppbv	
60) o-Xylene	13.706	91	3598750	8.501	ppbv	98
61) Styrene	13.542	104	2212176	9.647	ppbv	99
62) Isopropylbenzene	14.680	105	5443601	8.444	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.690	83	1749792	7.886	ppbv	100
64) n-propylbenzene	15.574	120	1447215	8.857	ppbv	97
65) tert-Butylbenzene	16.761	119	4995126	8.385	ppbv	99
66) Benzyl Chloride	17.002	91	546342	9.651	ppbv	98
67) sec-Butylbenzene	17.310	105	6800903	8.476	ppbv	99
69) p-Isopropyltoluene	17.664	119	5895393	8.659	ppbv	100
70) n-Butylbenzene	18.561	91	5718801	8.655	ppbv	100
71) 2-Chlorotoluene	15.465	91	4002762	8.676	ppbv	100
72) 4-Ethyltoluene	15.851	105	4494812	9.031	ppbv	99
73) 1,3,5-Trimethylbenzene	16.008	105	4038707	8.835	ppbv	98
74) 1,2,4-Trimethylbenzene	16.777	105	4351480	8.605	ppbv	99
75) 1,3-Dichlorobenzene	17.011	146	2610262	8.653	ppbv	100
76) 1,4-Dichlorobenzene	17.150	146	2527512	8.454	ppbv	100
77) 1,2-Dichlorobenzene	17.828	146	2518933	8.425	ppbv	100
78) Hexachloro-1,3-Butadiene	23.387	225	1773873	7.377	ppbv	100
79) Naphthalene	22.210	128	3488534	10.024	ppbv	100
80) Naphthalene,2-methyl-	24.979	142	1212707	10.239	ppbv	96
81) 1,2,4-Trichlorobenzene	21.937	180	2001751	8.831	ppbv	99

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

