

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071922\
 Data File : VL039482.D
 Acq On : 19 Jul 2022 14:38
 Operator : SY/AP
 Sample : VL0719ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0719ABS01

Quant Time: Jul 20 05:39:50 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 6 2022

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

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 07/20/2022
 Supervised By : Mahesh Dadoda 07/21/2022

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

Internal Standards						
1) Bromochloromethane	5.677	49	1180835	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	7.188	114	3289809	10.000	ppbv	0.03
55) Chlorobenzene-d5	12.101	117	3237000	10.000	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.429 95 2497968 10.402 ppbv 0.04
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.000%

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	3.057	85	1095648m	6.433	ppbv	
3) Chlorodifluoromethane	2.996	51	1430671	9.550	ppbv	99
4) Chloromethane	3.147	50	784524	9.575	ppbv	97
5) Vinyl Chloride	3.266	62	735984	9.109	ppbv	100
6) Bromomethane	3.484	94	343623	10.105	ppbv	99
7) Chloroethane	3.568	64	274200	9.541	ppbv	98
8) Dichlorotetrafluoroethane	3.195	85	1564639	8.410	ppbv	98
9) Propene	3.018	41	629591	9.306	ppbv	98
10) Heptane	8.134	43	1610234	10.162	ppbv	99
11) Trichlorofluoromethane	3.960	101	1817047	9.573	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.494	101	1321549	9.340	ppbv	99
13) Ethanol	3.607	45	19543	4.979	ppbv #	45
14) Bromoethene	3.748	108	587787	9.881	ppbv	99
15) Acetone	3.854	43	1375913	9.849	ppbv	100
16) 1,3-Butadiene	3.336	39	726279	10.020	ppbv	100
17) tert-Butyl alcohol	4.291	59	1344667	11.341	ppbv	100
18) 1,1-Dichloroethene	4.298	96	610161	9.519	ppbv	96
19) Isopropyl Alcohol	3.967	45	799798	10.733	ppbv #	97
20) Methylene Chloride	4.353	84	517206	9.288	ppbv	96
21) Allyl Chloride	4.420	41	957412	9.895	ppbv	99
22) trans-1,2-Dichloroethene	4.896	96	604725	9.746	ppbv	94
23) Vinyl Acetate	5.082	43	1063083	11.387	ppbv	98
24) 1,1-Dichloroethane	5.025	63	1382174	10.483	ppbv	97
25) Ethyl Acetate	5.687	43	2946405	10.286	ppbv	99
26) Hexane	5.697	57	1240124	10.740	ppbv	99
27) Carbon Disulfide	4.562	76	1479762	10.617	ppbv	100
28) Methyl tert-Butyl Ether	5.044	73	1354488	10.971	ppbv	97
29) Chloroform	5.764	83	1983569	9.879	ppbv	99
30) Cyclohexane	7.147	84	1060662	10.090	ppbv	99
31) cis-1,2-Dichloroethene	5.558	61	1248393	10.190	ppbv	98
32) 1,1,1-Trichloroethane	6.523	97	2019725	10.191	ppbv	99
34) 2-Butanone	5.250	43	1730814	10.452	ppbv	100
35) Carbon Tetrachloride	7.031	117	2138999	10.522	ppbv	99
36) Benzene	6.905	78	2615419	10.272	ppbv	99
37) 1,2-Dichloroethane	6.317	62	1522342	10.130	ppbv	100
38) Trichloroethene	7.848	130	1397468	10.148	ppbv	98
39) 1,2-Dichloropropane	7.626	63	968859	10.186	ppbv	96
40) 1,4-Dioxane	7.838	88	390992	10.315	ppbv #	1
41) Tetrahydrofuran	6.060	42	1016388	10.591	ppbv	99
42) Bromodichloromethane	7.806	83	2163902	10.679	ppbv	100
43) Methyl Methacrylate	8.024	69	1060598	10.955	ppbv	100
44) 2,2,4-Trimethylpentane	7.883	57	4324579	10.023	ppbv	99
45) t-1,3-Dichloropropene	9.291	75	1073813	12.457	ppbv	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.716	75	1402143	11.818	ppbv	97
47) 1,1,2-Trichloroethane	9.487	97	1080637	10.125	ppbv	98
48) Dibromochloromethane	10.320	129	1923877	11.342	ppbv	100
49) Bromoform	13.053	173	1611101	11.773	ppbv	99
50) 4-Methyl-2-Pentanone	8.751	43	2697626	10.773	ppbv	100
51) 2-Hexanone	10.140	43	2182422m	11.523	ppbv	
52) Tetrachloroethene	11.236	164	1034707	10.095	ppbv	97
53) Toluene	9.819	91	3133291	10.669	ppbv	100
54) 1,2-Dibromoethane	10.626	107	1450453	10.922	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.140	131	1433389	10.024	ppbv	97
57) Chlorobenzene	12.163	112	2398014	9.555	ppbv	97
58) Ethyl Benzene	12.725	91	4222699	10.103	ppbv	100
59) m/p-Xylene	13.008	91	7296068m	19.800	ppbv	
60) o-Xylene	13.706	91	3492153	10.008	ppbv	99
61) Styrene	13.542	104	2080441	11.006	ppbv	99
62) Isopropylbenzene	14.680	105	5193843	9.774	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.690	83	1637722	8.954	ppbv	99
64) n-propylbenzene	15.574	120	1350528	10.027	ppbv	99
65) tert-Butylbenzene	16.754	119	4741806	9.657	ppbv	100
66) Benzyl Chloride	17.002	91	526376	11.281	ppbv	100
67) sec-Butylbenzene	17.307	105	6477875	9.794	ppbv	100
69) p-Isopropyltoluene	17.664	119	5591297	9.963	ppbv	100
70) n-Butylbenzene	18.561	91	5448360	10.003	ppbv	99
71) 2-Chlorotoluene	15.468	91	3786681	9.957	ppbv	100
72) 4-Ethyltoluene	15.850	105	4307693	10.500	ppbv	99
73) 1,3,5-Trimethylbenzene	16.011	105	3911159	10.380	ppbv	98
74) 1,2,4-Trimethylbenzene	16.776	105	4142772	9.939	ppbv	97
75) 1,3-Dichlorobenzene	17.008	146	2429845	9.772	ppbv	98
76) 1,4-Dichlorobenzene	17.149	146	2450353	9.943	ppbv	97
77) 1,2-Dichlorobenzene	17.828	146	2404129	9.755	ppbv	99
78) Hexachloro-1,3-Butadiene	23.381	225	1700560	8.579	ppbv	99
79) Naphthalene	22.207	128	3327024	11.598	ppbv	99
80) Naphthalene,2-methyl-	24.975	142	1259859	12.904	ppbv	98
81) 1,2,4-Trichlorobenzene	21.937	180	1925428	10.305	ppbv	99

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

