

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100422\
 Data File : VL039683.D
 Acq On : 4 Oct 2022 16:29
 Operator : SY/AP
 Sample : VL1004ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1004ABS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/07/2022
 Supervised By :Mahesh Dadoda 10/07/2022

Quant Time: Oct 05 04:40:11 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2022

QLast Update : Mon Sep 19 14:26:28 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.211	49	1109627	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.671	114	2984046	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.478	117	2816346m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.786 95 2172435 10.333 ppbv 0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.755	85	1175815	9.140	ppbv	99
3) Chlorodifluoromethane	2.700	51	1174195	8.917	ppbv	96
4) Chloromethane	2.838	50	725245	9.127	ppbv	98
5) Vinyl Chloride	2.948	62	625241	9.440	ppbv	99
6) Bromomethane	3.144	94	227447	9.311	ppbv	94
7) Chloroethane	3.224	64	222736	9.195	ppbv	98
8) Dichlorotetrafluoroethane	2.883	85	1428078	9.255	ppbv	96
9) Propene	2.719	41	539355	8.968	ppbv	98
10) Heptane	7.594	43	1369504	9.758	ppbv	99
11) Trichlorofluoromethane	3.587	101	1480761	9.295	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.089	101	1130583	9.396	ppbv	100
13) Ethanol	3.263	45	37391m	8.160	ppbv	
14) Bromoethene	3.391	108	464871	9.677	ppbv	99
15) Acetone	3.491	43	1106545	8.962	ppbv	99
16) 1,3-Butadiene	3.012	39	597604	9.541	ppbv	100
17) tert-Butyl alcohol	3.899	59	1018671	9.193	ppbv	99
18) 1,1-Dichloroethene	3.903	96	514576	9.720	ppbv	98
19) Isopropyl Alcohol	3.597	45	579267	9.204	ppbv	99
20) Methylene Chloride	3.954	84	438732	7.685	ppbv	95
21) Allyl Chloride	4.021	41	775274	9.221	ppbv	96
22) trans-1,2-Dichloroethene	4.468	96	520081	9.930	ppbv	98
23) Vinyl Acetate	4.645	43	498901	8.938	ppbv #	98
24) 1,1-Dichloroethane	4.584	63	1066543	9.595	ppbv	99
25) Ethyl Acetate	5.224	43	2398476	8.908	ppbv	99
26) Hexane	5.234	57	1000218	8.754	ppbv	98
27) Carbon Disulfide	4.147	76	1286030	10.710	ppbv	99
28) Methyl tert-Butyl Ether	4.610	73	898974	9.365	ppbv	98
29) Chloroform	5.292	83	1538700	9.329	ppbv	97
30) Cyclohexane	6.616	84	825320	9.328	ppbv	93
31) cis-1,2-Dichloroethene	5.099	61	939521	9.092	ppbv	98
32) 1,1,1-Trichloroethane	6.021	97	1501748	10.057	ppbv	98
34) 2-Butanone	4.806	43	1272679	8.683	ppbv	96
35) Carbon Tetrachloride	6.510	117	1625169	10.259	ppbv	99
36) Benzene	6.388	78	2115145	9.271	ppbv	96
37) 1,2-Dichloroethane	5.825	62	1140398	9.184	ppbv	99
38) Trichloroethene	7.304	130	1205184	9.775	ppbv	97
39) 1,2-Dichloropropane	7.089	63	787238	8.936	ppbv	96
40) 1,4-Dioxane	7.301	88	315066	8.759	ppbv	93
41) Tetrahydrofuran	5.574	42	837561	9.315	ppbv	97
42) Bromodichloromethane	7.263	83	1662788	9.628	ppbv	98
43) Methyl Methacrylate	7.491	69	809069	9.729	ppbv	95
44) 2,2,4-Trimethylpentane	7.340	57	3568132	9.074	ppbv	99
45) t-1,3-Dichloropropene	8.719	75	765771	10.897	ppbv	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.156	75	1081674	10.812	ppbv	98
47) 1,1,2-Trichloroethane	8.912	97	868905	9.024	ppbv	98
48) Dibromochloromethane	9.719	129	1485538	10.245	ppbv	99
49) Bromoform	12.413	173	1221509	10.185	ppbv	99
50) 4-Methyl-2-Pentanone	8.195	43	2242723	9.738	ppbv	97
51) 2-Hexanone	9.561	43	1710485	10.033	ppbv #	99
52) Tetrachloroethene	10.629	164	794675	9.130	ppbv	96
53) Toluene	9.234	91	2479016	9.770	ppbv	99
54) 1,2-Dibromoethane	10.021	107	1005781	9.764	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.516	131	1073564	9.433	ppbv	97
57) Chlorobenzene	11.536	112	1871406	9.036	ppbv	99
58) Ethyl Benzene	12.098	91	3189736	9.823	ppbv	99
59) m/p-Xylene	12.385	91	5449419m	18.857	ppbv	
60) o-Xylene	13.069	91	2603451	9.434	ppbv	99
61) Styrene	12.909	104	1547520	10.412	ppbv	98
62) Isopropylbenzene	14.040	105	3796408	9.142	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.057	83	968560	8.799	ppbv	100
64) n-propylbenzene	14.925	120	974770	9.167	ppbv	96
65) tert-Butylbenzene	16.101	119	3328059	9.071	ppbv	99
66) Benzyl Chloride	16.336	91	259097	8.870	ppbv	96
67) sec-Butylbenzene	16.648	105	4588530	8.917	ppbv	99
69) p-Isopropyltoluene	17.005	119	3861592	9.132	ppbv	99
70) n-Butylbenzene	17.896	91	3870289	9.337	ppbv	99
71) 2-Chlorotoluene	14.809	91	2720493	9.074	ppbv	100
72) 4-Ethyltoluene	15.201	105	3037487	9.641	ppbv	100
73) 1,3,5-Trimethylbenzene	15.362	105	2704884	9.383	ppbv	100
74) 1,2,4-Trimethylbenzene	16.117	105	2900428	8.976	ppbv	99
75) 1,3-Dichlorobenzene	16.336	146	1752249	9.088	ppbv	99
76) 1,4-Dichlorobenzene	16.484	146	1694007	8.783	ppbv	99
77) 1,2-Dichlorobenzene	17.150	146	1692800	9.003	ppbv	99
78) Hexachloro-1,3-Butadiene	22.638	225	1361635	9.478	ppbv	99
79) Naphthalene	21.394	128	2883679	13.522	ppbv	100
80) Naphthalene,2-methyl-	24.384	142	829505	10.345	ppbv	99
81) 1,2,4-Trichlorobenzene	21.146	180	1611775	11.507	ppbv	99

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

