

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041922\
 Data File : VL038945.D
 Acq On : 19 Apr 2022 11:58
 Operator : SY/AP
 Sample : VL0419ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0419ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/20/2022
 Supervised By : Mahesh Dadoda 04/20/2022

Quant Time: Apr 20 04:25:16 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL040522AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Apr 20 2022

QLast Update : Wed Apr 06 06:12:53 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.681	49	1178929	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	7.195	114	3093846	10.000	ppbv	0.02
55) Chlorobenzene-d5	12.102	117	3008213m	10.000	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.429 95 2333024 10.224 ppbv 0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.067	85	2314632	13.842	ppbv	98
3) Chlorodifluoromethane	3.006	51	1405221	9.767	ppbv	97
4) Chloromethane	3.157	50	709615	9.525	ppbv	98
5) Vinyl Chloride	3.276	62	690973	10.037	ppbv	96
6) Bromomethane	3.491	94	354322	10.638	ppbv	95
7) Chloroethane	3.575	64	241499	10.520	ppbv	94
8) Dichlorotetrafluoroethane	3.205	85	1608622	10.298	ppbv	98
9) Propene	3.028	41	698544	9.176	ppbv	100
10) Heptane	8.140	43	1741587	9.083	ppbv	97
11) Trichlorofluoromethane	3.967	101	1541807	11.474	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.501	101	1156396	11.235	ppbv	96
13) Ethanol	3.623	45	36160	7.817	ppbv #	100
14) Bromoethene	3.758	108	485987	10.736	ppbv	97
15) Acetone	3.864	43	1124444	9.580	ppbv	98
16) 1,3-Butadiene	3.346	39	659085	9.822	ppbv	100
17) tert-Butyl alcohol	4.301	59	865775	8.226	ppbv	100
18) 1,1-Dichloroethene	4.308	96	510147	10.873	ppbv	95
19) Isopropyl Alcohol	3.980	45	589710	9.830	ppbv #	100
20) Methylene Chloride	4.362	84	441311	10.367	ppbv	96
21) Allyl Chloride	4.430	41	873907	9.944	ppbv	99
22) trans-1,2-Dichloroethene	4.903	96	549302	11.563	ppbv	95
23) Vinyl Acetate	5.089	43	1209340	10.580	ppbv	99
24) 1,1-Dichloroethane	5.028	63	1078143	10.438	ppbv	99
25) Ethyl Acetate	5.690	43	2943556	9.884	ppbv	99
26) Hexane	5.706	57	1290133	9.517	ppbv	99
27) Carbon Disulfide	4.568	76	1350099	10.860	ppbv	98
28) Methyl tert-Butyl Ether	5.050	73	1028891	9.827	ppbv	98
29) Chloroform	5.767	83	2001496	10.553	ppbv	97
30) Cyclohexane	7.147	84	1106928	9.265	ppbv	97
31) cis-1,2-Dichloroethene	5.565	61	1293463	10.377	ppbv	98
32) 1,1,1-Trichloroethane	6.526	97	1956687	10.239	ppbv	99
34) 2-Butanone	5.259	43	1782778	14.583	ppbv	97
35) Carbon Tetrachloride	7.034	117	1987437	10.715	ppbv	99
36) Benzene	6.906	78	2710050	9.629	ppbv	99
37) 1,2-Dichloroethane	6.324	62	1479422	11.497	ppbv	98
38) Trichloroethene	7.851	130	1097009	9.499	ppbv	94
39) 1,2-Dichloropropane	7.632	63	1052863	9.780	ppbv	96
40) 1,4-Dioxane	7.848	88	393023	10.751	ppbv #	14
41) Tetrahydrofuran	6.063	42	1144950	9.861	ppbv	100
42) Bromodichloromethane	7.809	83	2215361	10.902	ppbv	98
43) Methyl Methacrylate	8.031	69	1143026	10.603	ppbv	99
44) 2,2,4-Trimethylpentane	7.886	57	4540584	9.529	ppbv	99
45) t-1,3-Dichloropropene	9.291	75	1254305	11.128	ppbv	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.719	75	1535348	10.331	ppbv	98
47) 1,1,2-Trichloroethane	9.494	97	1101616	9.987	ppbv	98
48) Dibromochloromethane	10.324	129	1834872	10.613	ppbv	99
49) Bromoform	13.057	173	1510960	11.034	ppbv	99
50) 4-Methyl-2-Pentanone	8.754	43	2849756	10.363	ppbv	99
51) 2-Hexanone	10.147	43	2196697	10.602	ppbv	99
52) Tetrachloroethene	11.240	164	920957	9.368	ppbv	97
53) Toluene	9.822	91	3190130	9.819	ppbv	98
54) 1,2-Dibromoethane	10.629	107	1608962	10.501	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.137	131	1295201m	9.825	ppbv	
57) Chlorobenzene	12.163	112	2266973	9.201	ppbv	98
58) Ethyl Benzene	12.725	91	4273027	9.506	ppbv	97
59) m/p-Xylene	13.012	91	7091845m	18.779	ppbv	
60) o-Xylene	13.706	91	3354143	9.492	ppbv	94
61) Styrene	13.545	104	2079731	9.660	ppbv	98
62) Isopropylbenzene	14.680	105	4871161	9.184	ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.690	83	2076527	9.278	ppbv	99
64) n-propylbenzene	15.577	120	1246156	9.048	ppbv	87
65) tert-Butylbenzene	16.761	119	4130822	8.778	ppbv	95
66) Benzyl Chloride	17.002	91	799013	8.340	ppbv	95
67) sec-Butylbenzene	17.310	105	6016132	9.110	ppbv	98
69) p-Isopropyltoluene	17.664	119	4912336	9.060	ppbv	98
70) n-Butylbenzene	18.561	91	5365106	9.822	ppbv	98
71) 2-Chlorotoluene	15.468	91	3820818	9.580	ppbv	96
72) 4-Ethyltoluene	15.854	105	3973156	9.416	ppbv	98
73) 1,3,5-Trimethylbenzene	16.011	105	3612245	9.529	ppbv	94
74) 1,2,4-Trimethylbenzene	16.777	105	3751778	9.363	ppbv	98
75) 1,3-Dichlorobenzene	17.011	146	2150759	9.244	ppbv	99
76) 1,4-Dichlorobenzene	17.150	146	2135659	9.318	ppbv	98
77) 1,2-Dichlorobenzene	17.828	146	2099294	9.153	ppbv	99
78) Hexachloro-1,3-Butadiene	23.387	225	1524186	8.411	ppbv	99
79) Naphthalene	22.207	128	2958938	9.871	ppbv	99
80) Naphthalene,2-methyl-	24.979	142	593033	8.028	ppbv	93
81) 1,2,4-Trichlorobenzene	21.937	180	1635508	9.323	ppbv	98

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

