

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032122\
 Data File : VL038655.D
 Acq On : 21 Mar 2022 17:27
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL032122

Quant Time: Mar 22 03:49:31 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 22 03:49:31 2022
 QLast Update : Mon Mar 21 17:09:26 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 03/22/2022
 Supervised By : Mahesh Dadoda 03/24/2022

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

Internal Standards						
1) Bromochloromethane	5.665	49	981804	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.173	114	2645824	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.082	117	2485112m	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.410	95	1871907	9.825	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.200%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.054	85	1083992	8.213	ppbv	100
3) Chlorodifluoromethane	2.993	51	1004569	9.688	ppbv	99
4) Chloromethane	3.144	50	550094	9.662	ppbv	96
5) Vinyl Chloride	3.263	62	543765	9.400	ppbv	96
6) Bromomethane	3.478	94	291445	9.451	ppbv	98
7) Chloroethane	3.562	64	184934	9.657	ppbv	98
8) Dichlorotetrafluoroethane	3.192	85	1232933	9.356	ppbv	97
9) Propene	3.015	41	509486	10.177	ppbv	99
10) Heptane	8.118	43	1230626	10.284	ppbv	100
11) Trichlorofluoromethane	3.954	101	1083612	9.302	ppbv	99
12) 1,1,2-Trichlorotrifluoro...	4.488	101	801516	8.938	ppbv	96
13) Ethanol	3.610	45	39727	7.194	ppbv	92
14) Bromoethene	3.742	108	399523	10.025	ppbv	97
15) Acetone	3.848	43	766310	9.046	ppbv	100
16) 1,3-Butadiene	3.330	39	472488	9.828	ppbv	99
17) tert-Butyl alcohol	4.285	59	748806	10.121	ppbv	100
18) 1,1-Dichloroethene	4.292	96	368938	9.158	ppbv	99
19) Isopropyl Alcohol	3.964	45	453962	9.665	ppbv #	97
20) Methylene Chloride	4.346	84	304783	8.541	ppbv	95
21) Allyl Chloride	4.414	41	574670	9.425	ppbv	100
22) trans-1,2-Dichloroethene	4.886	96	400930	9.595	ppbv	97
23) Vinyl Acetate	5.073	43	831986	10.142	ppbv	99
24) 1,1-Dichloroethane	5.012	63	721365	8.929	ppbv	99
25) Ethyl Acetate	5.674	43	2129785	9.987	ppbv	100
26) Hexane	5.687	57	948078	9.930	ppbv	98
27) Carbon Disulfide	4.552	76	929343	9.922	ppbv	100
28) Methyl tert-Butyl Ether	5.034	73	669808	9.418	ppbv	100
29) Chloroform	5.751	83	1463400	9.573	ppbv	100
30) Cyclohexane	7.128	84	819821	9.875	ppbv	99
31) cis-1,2-Dichloroethene	5.549	61	915033	10.192	ppbv	100
32) 1,1,1-Trichloroethane	6.510	97	1414177	9.586	ppbv	100
34) 2-Butanone	5.240	43	1268928	12.117	ppbv	98
35) Carbon Tetrachloride	7.015	117	1471162	9.583	ppbv	99
36) Benzene	6.890	78	2014440	9.865	ppbv	99
37) 1,2-Dichloroethane	6.304	62	999572	9.623	ppbv	99
38) Trichloroethene	7.832	130	855048	9.996	ppbv	99
39) 1,2-Dichloropropane	7.610	63	775044	9.709	ppbv	98
40) 1,4-Dioxane	7.825	88	272476	9.829	ppbv	96
41) Tetrahydrofuran	6.047	42	809000	10.380	ppbv	99
42) Bromodichloromethane	7.790	83	1537263	9.871	ppbv	98
43) Methyl Methacrylate	8.009	69	804648	10.614	ppbv	100
44) 2,2,4-Trimethylpentane	7.864	57	3265907	9.526	ppbv	100
45) t-1,3-Dichloropropene	9.272	75	902564	11.709	ppbv	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.700	75	1140931	10.946	ppbv	99
47) 1,1,2-Trichloroethane	9.472	97	805000	9.445	ppbv	99
48) Dibromochloromethane	10.298	129	1354622	10.147	ppbv	100
49) Bromoform	13.037	173	1091997	10.036	ppbv	99
50) 4-Methyl-2-Pentanone	8.735	43	1977524	10.157	ppbv	100
51) 2-Hexanone	10.127	43	1500042	10.727	ppbv	98
52) Tetrachloroethene	11.217	164	716392	9.587	ppbv	99
53) Toluene	9.799	91	2252997	10.268	ppbv	100
54) 1,2-Dibromoethane	10.607	107	1163270	9.996	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.121	131	928228	9.009	ppbv #	56
57) Chlorobenzene	12.143	112	1613066	9.000	ppbv	100
58) Ethyl Benzene	12.706	91	2857429	9.835	ppbv	100
59) m/p-Xylene	12.989	91	4698497m	18.488	ppbv	
60) o-Xylene	13.687	91	2220807	9.204	ppbv	99
61) Styrene	13.523	104	1380327	10.549	ppbv	100
62) Isopropylbenzene	14.664	105	3234068	8.915	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.671	83	1451687	7.767	ppbv	99
64) n-propylbenzene	15.558	120	873061	9.172	ppbv	97
65) tert-Butylbenzene	16.741	119	2869112	8.802	ppbv	100
66) Benzyl Chloride	16.979	91	673196	10.907	ppbv	99
67) sec-Butylbenzene	17.288	105	4110977	8.819	ppbv	100
69) p-Isopropyltoluene	17.648	119	3423811	8.999	ppbv	100
70) n-Butylbenzene	18.545	91	3588302	9.144	ppbv	100
71) 2-Chlorotoluene	15.446	91	2414583	8.968	ppbv	99
72) 4-Ethyltoluene	15.831	105	2637984	9.261	ppbv	100
73) 1,3,5-Trimethylbenzene	15.989	105	2329579	8.975	ppbv	99
74) 1,2,4-Trimethylbenzene	16.757	105	2510715	8.881	ppbv	99
75) 1,3-Dichlorobenzene	16.989	146	1563579	8.683	ppbv	99
76) 1,4-Dichlorobenzene	17.130	146	1515396	8.462	ppbv	97
77) 1,2-Dichlorobenzene	17.809	146	1541059	8.639	ppbv	99
78) Hexachloro-1,3-Butadiene	23.368	225	1353375	8.208	ppbv	99
79) Naphthalene	22.188	128	2557070	11.838	ppbv	99
80) Naphthalene,2-methyl-	24.963	142	623393	10.763	ppbv	99
81) 1,2,4-Trichlorobenzene	21.915	180	1457522	9.857	ppbv	99

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

