

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021021\
 Data File : VL036320.D
 Acq On : 10 Feb 2021 15:19
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

MMDadoda
 2/12/2021 1:42:03 PM

Quant Time: Feb 10 15:56:20 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10
 QLast Update : Wed Feb 10 13:51:24 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1491005	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3499542	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3260602	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2781443	10.31	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	2553805m	12.778	ppbv	
3) Chlorodifluoromethane	2.97	51	2382159	13.009	ppbv	100
4) Chloromethane	3.12	50	1179528	13.033	ppbv	96
5) Vinyl Chloride	3.24	62	1188127	13.873	ppbv	94
6) Bromomethane	3.46	94	659851	13.782	ppbv	94
7) Chloroethane	3.54	64	406735	13.791	ppbv	99
8) Dichlorotetrafluoroethane	3.17	85	2590006	13.376	ppbv	100
9) Propene	2.99	41	1099620	12.610	ppbv	99
10) Heptane	8.10	43	2778555	12.837	ppbv	99
11) Trichlorofluoromethane	3.93	101	2801948	13.790	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1766597	14.341	ppbv	100
13) Ethanol	3.59	45	158157	11.551	ppbv	92
14) Bromoethene	3.72	108	782571	13.951	ppbv	99
15) Acetone	3.84	43	2212312	12.115	ppbv	99
16) 1,3-Butadiene	3.31	39	1171254	13.166	ppbv	98
17) tert-Butyl alcohol	4.28	59	1603009	10.638	ppbv	99
18) 1,1-Dichloroethene	4.27	96	795881m	13.936	ppbv	
19) Isopropyl Alcohol	3.95	45	1086237	9.867	ppbv #	98
20) Methylene Chloride	4.33	84	694117	11.910	ppbv	99
21) Allyl Chloride	4.39	41	1401937	14.105	ppbv	97
22) trans-1,2-Dichloroethene	4.87	96	761957	14.440	ppbv	96
23) Vinyl Acetate	5.06	43	3057506	13.818	ppbv	98
24) 1,1-Dichloroethane	5.00	63	2084298	13.004	ppbv	100
25) Ethyl Acetate	5.66	43	4577312	12.485	ppbv	99
26) Hexane	5.67	57	1874072	12.278	ppbv	100
27) Carbon Disulfide	4.53	76	2053483	16.825	ppbv	98
28) Methyl tert-Butyl Ether	5.02	73	2591783	12.556	ppbv	100
29) Chloroform	5.74	83	3037864	13.900	ppbv	100
30) Cyclohexane	7.11	84	1597865	13.699	ppbv	98
31) cis-1,2-Dichloroethene	5.53	61	1990661	13.645	ppbv	97
32) 1,1,1-Trichloroethane	6.49	97	2962551	14.016	ppbv	99
34) 2-Butanone	5.23	43	2979616	11.562	ppbv	100
35) Carbon Tetrachloride	7.00	117	3051345	13.800	ppbv	99
36) Benzene	6.88	78	3943912	12.300	ppbv	100
37) 1,2-Dichloroethane	6.29	62	2442559	12.659	ppbv	100
38) Trichloroethene	7.82	130	1337671	11.263	ppbv	97
39) 1,2-Dichloropropane	7.59	63	1613486	12.393	ppbv	96
40) 1,4-Dioxane	7.81	88	466161	9.898	ppbv #	1
41) Tetrahydrofuran	6.03	42	1829790	12.286	ppbv	99
42) Bromodichloromethane	7.78	83	3260062	13.443	ppbv	100
43) Methyl Methacrylate	8.00	69	1810357	13.285	ppbv	100

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44) 2,2,4-Trimethylpentane	7.85	57	6526813	11.082	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	2036411	15.734	ppbv	97
46) cis-1,3-Dichloropropene	8.69	75	2363864	14.212	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	1590104	12.767	ppbv	98
48) Dibromochloromethane	10.29	129	2622796	14.393	ppbv	98
49) Bromoform	13.03	173	2232107	14.675	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	4615289	12.011	ppbv	100
51) 2-Hexanone	10.12	43	3911306	12.902	ppbv #	98
52) Tetrachloroethene	11.21	164	1282926	10.857	ppbv	98
53) Toluene	9.79	91	4382703	12.219	ppbv	98
54) 1,2-Dibromoethane	10.59	107	2385607	12.921	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.11	131	1931636	13.275	ppbv	87
57) Chlorobenzene	12.13	112	3136775	12.262	ppbv	97
58) Ethyl Benzene	12.69	91	5960631	12.319	ppbv	98
59) m/p-Xylene	12.98	91	9913643m	23.845	ppbv	
60) o-Xylene	13.68	91	4628477	11.549	ppbv	99
61) Styrene	13.52	104	3432472	13.564	ppbv	99
62) Isopropylbenzene	14.65	105	6918402	11.611	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	3330405	11.161	ppbv	100
64) n-propylbenzene	15.55	120	1834060	12.528	ppbv	93
65) tert-Butylbenzene	16.73	119	5870434	11.627	ppbv	99
66) Benzyl Chloride	16.98	91	2350176	18.220	ppbv	99
67) sec-Butylbenzene	17.28	105	8351156	11.143	ppbv	98
69) p-Isopropyltoluene	17.64	119	6918008	11.639	ppbv	99
70) n-Butylbenzene	18.54	91	7268971	11.477	ppbv	98
71) 2-Chlorotoluene	15.44	91	5517366	11.781	ppbv	98
72) 4-Ethyltoluene	15.82	105	5586439	12.353	ppbv	98
73) 1,3,5-Trimethylbenzene	15.99	105	5192328	12.044	ppbv	100
74) 1,2,4-Trimethylbenzene	16.75	105	5137126	11.617	ppbv	97
75) 1,3-Dichlorobenzene	16.98	146	2840700	11.977	ppbv	98
76) 1,4-Dichlorobenzene	17.12	146	2980900m	12.722	ppbv	
77) 1,2-Dichlorobenzene	17.81	146	2804202	12.105	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	2016304	10.882	ppbv	99
79) Naphthalene	22.18	128	4005812	15.497	ppbv #	96
80) Naphthalene, 2-methyl-	24.97	142	977068	17.715	ppbv	94
81) 1,2,4-Trichlorobenzene	21.91	180	2115466	14.018	ppbv	100

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

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