

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073021\
 Data File : VL037288.D
 Acq On : 30 Jul 2021 17:02
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 8/2/2021 8:57:26 AM

Quant Time: Jul 30 22:56:43 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL073021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 30 22:56:43 2021
 QLast Update : Fri Jul 30 22:49:48 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1311102	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4118069	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3994208m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	2927922	9.78	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1481877	6.786	ppbv	100
3) Chlorodifluoromethane	2.99	51	2324982	9.080	ppbv	100
4) Chloromethane	3.14	50	812058	9.505	ppbv	100
5) Vinyl Chloride	3.26	62	884298	9.430	ppbv	100
6) Bromomethane	3.47	94	528918	9.474	ppbv	100
7) Chloroethane	3.56	64	309231	9.213	ppbv	100
8) Dichlorotetrafluoroethane	3.19	85	2071670	8.878	ppbv	100
9) Propene	3.01	41	751241	9.188	ppbv	100
10) Heptane	8.13	43	1947085	9.782	ppbv	100
11) Trichlorofluoromethane	3.95	101	2099673	8.713	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1563115	9.121	ppbv	100
13) Ethanol	3.61	45	127379	9.748	ppbv	97
14) Bromoethene	3.74	108	699091	9.710	ppbv	100
15) Acetone	3.85	43	1177407	7.867	ppbv	99
16) 1,3-Butadiene	3.33	39	810691	9.318	ppbv	100
17) tert-Butyl alcohol	4.29	59	1392712	10.190	ppbv	100
18) 1,1-Dichloroethene	4.29	96	716071	9.392	ppbv	100
19) Isopropyl Alcohol	3.97	45	818164	9.170	ppbv	98
20) Methylene Chloride	4.35	84	837380	8.973	ppbv	100
21) Allyl Chloride	4.42	41	1036395	9.302	ppbv	100
22) trans-1,2-Dichloroethene	4.89	96	742166	9.752	ppbv	100
23) Vinyl Acetate	5.08	43	1764483	8.503	ppbv	100
24) 1,1-Dichloroethane	5.02	63	1421456	8.516	ppbv	100
25) Ethyl Acetate	5.69	43	3224785	9.889	ppbv	100
26) Hexane	5.69	57	1681209	10.048	ppbv	100
27) Carbon Disulfide	4.56	76	1623491	10.283	ppbv	100
28) Methyl tert-Butyl Ether	5.04	73	1514768	8.069	ppbv	100
29) Chloroform	5.76	83	2333831	9.296	ppbv	100
30) Cyclohexane	7.14	84	1333581	9.747	ppbv	100
31) cis-1,2-Dichloroethene	5.56	61	1480090	9.843	ppbv	100
32) 1,1,1-Trichloroethane	6.52	97	2404111	8.982	ppbv	100
34) 2-Butanone	5.25	43	1420343	8.875	ppbv	100
35) Carbon Tetrachloride	7.03	117	2543046	9.292	ppbv	100
36) Benzene	6.90	78	3196973	9.570	ppbv	100
37) 1,2-Dichloroethane	6.31	62	1731980	9.050	ppbv	100
38) Trichloroethene	7.84	130	1412321	8.854	ppbv	100
39) 1,2-Dichloropropane	7.62	63	1204871	9.746	ppbv	100
40) 1,4-Dioxane	7.84	88	322514	9.577	ppbv	100
41) Tetrahydrofuran	6.06	42	719308	9.669	ppbv	100
42) Bromodichloromethane	7.80	83	2529248	9.572	ppbv	100
43) Methyl Methacrylate	8.02	69	1149151	10.008	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	5157786	9.195	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1122351	11.228	ppbv	100
46) cis-1,3-Dichloropropene	8.71	75	1428313	10.411	ppbv	100
47) 1,1,2-Trichloroethane	9.49	97	1356358	9.569	ppbv	100
48) Dibromochloromethane	10.32	129	2362687	10.608	ppbv	100
49) Bromoform	13.06	173	1988985	11.827	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2076479	9.530	ppbv	100
51) 2-Hexanone	10.15	43	1032385	9.748	ppbv	100
52) Tetrachloroethene	11.24	164	1360243	8.747	ppbv	100
53) Toluene	9.82	91	3868629	9.670	ppbv	100
54) 1,2-Dibromoethane	10.62	107	1997108	9.822	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.14	131	1636499	9.425	ppbv	100
57) Chlorobenzene	12.16	112	2983568	9.208	ppbv	100
58) Ethyl Benzene	12.73	91	5094099	9.303	ppbv	100
59) m/p-Xylene	13.01	91	8595715m	18.522	ppbv	
60) o-Xylene	13.71	91	4048974	9.150	ppbv	100
61) Styrene	13.54	104	2354507	10.330	ppbv	100
62) Isopropylbenzene	14.68	105	5710046	9.054	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	2775109	9.345	ppbv	100
64) n-propylbenzene	15.58	120	1559990	9.853	ppbv	100
65) tert-Butylbenzene	16.76	119	5270359	9.360	ppbv	100
66) Benzyl Chloride	17.00	91	332255	12.794	ppbv	100
67) sec-Butylbenzene	17.31	105	7035646	9.364	ppbv	100
69) p-Isopropyltoluene	17.67	119	6116572	9.632	ppbv	100
70) n-Butylbenzene	18.56	91	5751996	9.786	ppbv	100
71) 2-Chlorotoluene	15.46	91	4154129	9.406	ppbv	100
72) 4-Ethyltoluene	15.85	105	5108855	10.035	ppbv	100
73) 1,3,5-Trimethylbenzene	16.01	105	4559806	9.305	ppbv	100
74) 1,2,4-Trimethylbenzene	16.78	105	4746302	9.408	ppbv	100
75) 1,3-Dichlorobenzene	17.01	146	3014119	9.748	ppbv	100
76) 1,4-Dichlorobenzene	17.15	146	2979409	9.586	ppbv	100
77) 1,2-Dichlorobenzene	17.83	146	2899387	9.660	ppbv	100
78) Hexachloro-1,3-Butadiene	23.39	225	1930584	7.656	ppbv	100
79) Naphthalene	22.22	128	3694163	9.085	ppbv	100
80) Naphthalene, 2-methyl-	24.98	142	1071894	10.100	ppbv	97
81) 1,2,4-Trichlorobenzene	21.94	180	2161060	9.072	ppbv	100

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

