

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072721\
 Data File : VL037280.D
 Acq On : 27 Jul 2021 3:15
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

MMDadoda
 8/2/2021 9:03:27 AM

Quant Time: Jul 27 07:04:39 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 27 2021
 QLast Update : Tue Jul 27 06:38:44 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1369340	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3990495	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3818756	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2817380	9.74	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	480351	1.989	ppbv	98
3) Chlorodifluoromethane	2.99	51	550829	2.050	ppbv	98
4) Chloromethane	3.14	50	189161	2.115	ppbv	97
5) Vinyl Chloride	3.26	62	191926	1.970	ppbv	94
6) Bromomethane	3.48	94	116254	2.020	ppbv	92
7) Chloroethane	3.56	64	69146	1.948	ppbv	95
8) Dichlorotetrafluoroethane	3.19	85	521797	2.112	ppbv	99
9) Propene	3.01	41	166323	1.944	ppbv	96
10) Heptane	8.12	43	415053	1.997	ppbv	97
11) Trichlorofluoromethane	3.95	101	545415	2.114	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	396919	2.177	ppbv	99
13) Ethanol	3.61	45	30585m	2.360	ppbv	
14) Bromoethene	3.74	108	152119	2.011	ppbv	94
15) Acetone	3.85	43	559611	3.525	ppbv #	73
16) 1,3-Butadiene	3.33	39	176120	1.910	ppbv	91
17) tert-Butyl alcohol	4.30	59	236834	1.649	ppbv	95
18) 1,1-Dichloroethene	4.29	96	166058	2.051	ppbv	97
19) Isopropyl Alcohol	3.98	45	127233	1.380	ppbv #	89
20) Methylene Chloride	4.34	84	193483	2.056	ppbv	96
21) Allyl Chloride	4.41	41	242783	2.045	ppbv	95
22) trans-1,2-Dichloroethene	4.89	96	163159	2.043	ppbv	96
23) Vinyl Acetate	5.07	43	503102	2.258	ppbv	100
24) 1,1-Dichloroethane	5.01	63	381628	2.112	ppbv	98
25) Ethyl Acetate	5.68	43	699844	2.074	ppbv	97
26) Hexane	5.69	57	355110	2.089	ppbv	92
27) Carbon Disulfide	4.55	76	341097	2.031	ppbv	97
28) Methyl tert-Butyl Ether	5.04	73	429476	2.101	ppbv	100
29) Chloroform	5.75	83	539464	2.039	ppbv	97
30) Cyclohexane	7.13	84	274847	1.940	ppbv #	81
31) cis-1,2-Dichloroethene	5.55	61	317733	2.027	ppbv	96
32) 1,1,1-Trichloroethane	6.51	97	550930	1.956	ppbv	100
34) 2-Butanone	5.25	43	402113	2.541	ppbv	96
35) Carbon Tetrachloride	7.02	117	587375	2.166	ppbv	99
36) Benzene	6.89	78	664369	2.045	ppbv	99
37) 1,2-Dichloroethane	6.30	62	409663m	2.144	ppbv	
38) Trichloroethene	7.84	130	283570	1.836	ppbv	95
39) 1,2-Dichloropropane	7.62	63	255286	2.115	ppbv	93
40) 1,4-Dioxane	7.86	88	53828	1.648	ppbv #	100
41) Tetrahydrofuran	6.07	42	150205m	2.063	ppbv	
42) Bromodichloromethane	7.80	83	555508	2.126	ppbv	98
43) Methyl Methacrylate	8.02	69	225304	2.007	ppbv	100

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44) 2,2,4-Trimethylpentane	7.87	57	1143287	2.084	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	179370	1.852	ppbv	98
46) cis-1,3-Dichloropropene	8.71	75	249006	1.873	ppbv	97
47) 1,1,2-Trichloroethane	9.48	97	282251	2.042	ppbv	96
48) Dibromochloromethane	10.31	129	464463	2.115	ppbv	99
49) Bromoform	13.05	173	354766	2.141	ppbv	98
50) 4-Methyl-2-Pentanone	8.76	43	485554	2.230	ppbv	100
51) 2-Hexanone	10.16	43	209255	1.965	ppbv #	97
52) Tetrachloroethene	11.23	164	276935	1.839	ppbv	97
53) Toluene	9.81	91	788613	2.028	ppbv	99
54) 1,2-Dibromoethane	10.61	107	424177	2.132	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.13	131	349949m	2.065	ppbv	
57) Chlorobenzene	12.15	112	650170	2.078	ppbv	98
58) Ethyl Benzene	12.72	91	1093099	2.061	ppbv	100
59) m/p-Xylene	13.00	91	1911738m	4.237	ppbv	
60) o-Xylene	13.69	91	922277	2.142	ppbv	99
61) Styrene	13.53	104	442981	2.012	ppbv	98
62) Isopropylbenzene	14.67	105	1308955	2.137	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.68	83	617857	2.149	ppbv	98
64) n-propylbenzene	15.57	120	325505	2.129	ppbv	86
65) tert-Butylbenzene	16.75	119	1250887	2.289	ppbv	99
66) Benzyl Chloride	16.99	91	41483m	1.782	ppbv	
67) sec-Butylbenzene	17.30	105	1616800	2.222	ppbv	98
69) p-Isopropyltoluene	17.66	119	1400810	2.282	ppbv	99
70) n-Butylbenzene	18.55	91	1326247	2.336	ppbv	98
71) 2-Chlorotoluene	15.46	91	946781	2.203	ppbv	99
72) 4-Ethyltoluene	15.84	105	1070092	2.181	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	1024538	2.160	ppbv	96
74) 1,2,4-Trimethylbenzene	16.76	105	1158759	2.370	ppbv	92
75) 1,3-Dichlorobenzene	17.00	146	646286	2.178	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	631209m	2.133	ppbv	
77) 1,2-Dichlorobenzene	17.82	146	617967	2.146	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	469675	1.962	ppbv	99
79) Naphthalene	22.21	128	834127	2.180	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	165747	1.803	ppbv	90
81) 1,2,4-Trichlorobenzene	21.94	180	493781	2.200	ppbv	100

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

