

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072721\
 Data File : VL037281.D
 Acq On : 27 Jul 2021 3:53
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 8/2/2021 9:03:32 AM

Quant Time: Jul 27 07:36:17 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	1343796	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3891898	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3572644	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2729757	10.09	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	280517	1.183	ppbv	95
3) Chlorodifluoromethane	2.99	51	273695	1.038	ppbv	100
4) Chloromethane	3.14	50	90900	1.036	ppbv	100
5) Vinyl Chloride	3.26	62	89632	0.938	ppbv	99
6) Bromomethane	3.48	94	57360	1.015	ppbv	95
7) Chloroethane	3.56	64	33566	0.964	ppbv	92
8) Dichlorotetrafluoroethane	3.19	85	252196	1.040	ppbv	97
9) Propene	3.01	41	85560	1.019	ppbv	93
10) Heptane	8.12	43	192852	0.945	ppbv	97
11) Trichlorofluoromethane	3.95	101	253258	1.000	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	192107	1.074	ppbv	96
13) Ethanol	3.62	45	18446m	1.450	ppbv	
14) Bromoethene	3.74	108	71980	0.970	ppbv	94
15) Acetone	3.86	43	296193	1.901	ppbv #	79
16) 1,3-Butadiene	3.33	39	98612m	1.090	ppbv	
17) tert-Butyl alcohol	4.31	59	155969m	1.106	ppbv	
18) 1,1-Dichloroethene	4.29	96	76782	0.966	ppbv	98
19) Isopropyl Alcohol	3.98	45	91725m	1.014	ppbv	
20) Methylene Chloride	4.35	84	100713	1.090	ppbv	94
21) Allyl Chloride	4.41	41	116730	1.002	ppbv	93
22) trans-1,2-Dichloroethene	4.89	96	72442	0.924	ppbv	96
23) Vinyl Acetate	5.08	43	218318m	0.998	ppbv	
24) 1,1-Dichloroethane	5.01	63	185145	1.044	ppbv	96
25) Ethyl Acetate	5.69	43	319266	0.964	ppbv	98
26) Hexane	5.69	57	171141	1.026	ppbv	94
27) Carbon Disulfide	4.56	76	146680	0.890	ppbv	95
28) Methyl tert-Butyl Ether	5.04	73	197370	0.984	ppbv	97
29) Chloroform	5.75	83	261577	1.007	ppbv	98
30) Cyclohexane	7.13	84	131052	0.942	ppbv	94
31) cis-1,2-Dichloroethene	5.55	61	137964	0.897	ppbv #	93
32) 1,1,1-Trichloroethane	6.52	97	267848	0.969	ppbv	99
34) 2-Butanone	5.26	43	168171	1.089	ppbv #	89
35) Carbon Tetrachloride	7.02	117	274432	1.038	ppbv	96
36) Benzene	6.89	78	324863	1.026	ppbv	97
37) 1,2-Dichloroethane	6.31	62	180462	0.968	ppbv	98
38) Trichloroethene	7.84	130	130156	0.864	ppbv	99
39) 1,2-Dichloropropane	7.62	63	117792	1.001	ppbv	90
40) 1,4-Dioxane	7.86	88	35285m	1.108	ppbv	
41) Tetrahydrofuran	6.07	42	71343m	1.005	ppbv	
42) Bromodichloromethane	7.79	83	242321	0.951	ppbv #	98
43) Methyl Methacrylate	8.02	69	97926	0.894	ppbv	91

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44) 2,2,4-Trimethylpentane	7.87	57	557663	1.042	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	74615m	0.790	ppbv	
46) cis-1,3-Dichloropropene	8.71	75	110574	0.853	ppbv #	95
47) 1,1,2-Trichloroethane	9.48	97	129643	0.962	ppbv	96
48) Dibromochloromethane	10.31	129	198787m	0.928	ppbv	
49) Bromoform	13.04	173	139157	0.861	ppbv	99
50) 4-Methyl-2-Pentanone	8.77	43	223996m	1.055	ppbv	
51) 2-Hexanone	10.16	43	105328m	1.014	ppbv	
52) Tetrachloroethene	11.23	164	138140	0.941	ppbv	93
53) Toluene	9.81	91	361697	0.953	ppbv	97
54) 1,2-Dibromoethane	10.61	107	195169	1.006	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.13	131	161756	1.020	ppbv #	1
57) Chlorobenzene	12.15	112	304913m	1.042	ppbv	
58) Ethyl Benzene	12.72	91	508148	1.024	ppbv	98
59) m/p-Xylene	13.00	91	887875m	2.103	ppbv	
60) o-Xylene	13.70	91	434398	1.078	ppbv	99
61) Styrene	13.54	104	197247m	0.958	ppbv	
62) Isopropylbenzene	14.67	105	617308	1.077	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.68	83	296409m	1.102	ppbv	
64) n-propylbenzene	15.57	120	147511	1.031	ppbv	80
65) tert-Butylbenzene	16.75	119	565455	1.106	ppbv	96
66) Benzyl Chloride	16.99	91	18784m	0.863	ppbv	
67) sec-Butylbenzene	17.30	105	751534	1.104	ppbv	99
69) p-Isopropyltoluene	17.66	119	627730	1.093	ppbv	98
70) n-Butylbenzene	18.56	91	565408	1.065	ppbv	99
71) 2-Chlorotoluene	15.45	91	438647	1.091	ppbv	98
72) 4-Ethyltoluene	15.85	105	480760	1.047	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	461177	1.039	ppbv	100
74) 1,2,4-Trimethylbenzene	16.77	105	521318	1.140	ppbv	94
75) 1,3-Dichlorobenzene	17.00	146	307811m	1.109	ppbv	
76) 1,4-Dichlorobenzene	17.15	146	260105	0.940	ppbv	92
77) 1,2-Dichlorobenzene	17.82	146	272166	1.010	ppbv	93
78) Hexachloro-1,3-Butadiene	23.38	225	229605	1.025	ppbv	98
79) Naphthalene	22.22	128	345679m	0.966	ppbv	
80) Naphthalene, 2-methyl-	24.99	142	71180	0.828	ppbv #	76
81) 1,2,4-Trichlorobenzene	21.94	180	206721m	0.984	ppbv	

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

