

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082320\
 Data File : VL035492.D
 Acq On : 23 Aug 2020 8:54
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Quant Time: Aug 23 10:37:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sun Aug 23 10:33:49 2020
 QLast Update : Sun Aug 23 10:33:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1073110	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4760787	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4982528	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3446478	9.88	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.80%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.04	85	370056	1.861	ppbv	99
3) Chlorodifluoromethane	2.98	51	245563	1.825	ppbv	98
4) Chloromethane	3.13	50	126659	1.807	ppbv	96
5) Vinyl Chloride	3.25	62	151173	1.805	ppbv	99
6) Bromomethane	3.47	94	136338	1.861	ppbv	99
7) Chloroethane	3.55	64	55983	1.814	ppbv	100
8) Dichlorotetrafluoroethane	3.18	85	479197	1.882	ppbv	98
9) Propene	3.00	41	92367	1.708	ppbv	98
10) Heptane	8.13	43	256682	1.810	ppbv	99
11) Trichlorofluoromethane	3.95	101	579299	1.856	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	428962	1.844	ppbv	99
13) Ethanol	3.60	45	30949	1.562	ppbv	99
14) Bromoethene	3.74	108	189231	1.841	ppbv	99
15) Acetone	3.85	43	238299	1.929	ppbv	93
16) 1,3-Butadiene	3.32	39	92753	1.852	ppbv	97
17) tert-Butyl alcohol	4.29	59	293665	1.840	ppbv	99
18) 1,1-Dichloroethene	4.29	96	188053	1.831	ppbv	97
19) Isopropyl Alcohol	3.97	45	145247	1.706	ppbv #	97
20) Methylene Chloride	4.34	84	296297	2.973	ppbv	98
21) Allyl Chloride	4.41	41	116307	1.853	ppbv	98
22) trans-1,2-Dichloroethene	4.88	96	199325	1.819	ppbv	96
23) Vinyl Acetate	5.07	43	316184	1.791	ppbv	99
24) 1,1-Dichloroethane	5.01	63	327893	1.861	ppbv	97
25) Ethyl Acetate	5.68	43	452672	1.883	ppbv	98
26) Hexane	5.69	57	291827	2.152	ppbv	91
27) Carbon Disulfide	4.55	76	359596	1.834	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	443640	1.791	ppbv	99
29) Chloroform	5.75	83	508551	1.866	ppbv	99
30) Cyclohexane	7.13	84	274355	1.823	ppbv	86
31) cis-1,2-Dichloroethene	5.55	61	254297	1.783	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	484709	1.898	ppbv	99
34) 2-Butanone	5.25	43	290947	1.829	ppbv	98
35) Carbon Tetrachloride	7.02	117	508052	2.007	ppbv	99
36) Benzene	6.89	78	655452	1.876	ppbv	98
37) 1,2-Dichloroethane	6.31	62	299246	1.874	ppbv	100
38) Trichloroethene	7.84	130	355630	1.830	ppbv	99
39) 1,2-Dichloropropane	7.62	63	217283	1.887	ppbv	96
40) 1,4-Dioxane	7.85	88	106024	1.690	ppbv #	64
41) Tetrahydrofuran	6.06	42	156215	1.780	ppbv	99
42) Bromodichloromethane	7.79	83	500536	1.873	ppbv	95
43) Methyl Methacrylate	8.02	69	249870	1.829	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	878998	1.926	ppbv	98
45) t-1,3-Dichloropropene	9.29	75	250575	1.780	ppbv	95
46) cis-1,3-Dichloropropene	8.71	75	319526	1.822	ppbv	96
47) 1,1,2-Trichloroethane	9.48	97	320893	1.866	ppbv	98
48) Dibromochloromethane	10.31	129	523282	1.814	ppbv	99
49) Bromoform	13.05	173	480537	1.729	ppbv	98
50) 4-Methyl-2-Pentanone	8.75	43	422496	1.852	ppbv	98
51) 2-Hexanone	10.15	43	342492	1.781	ppbv #	100
52) Tetrachloroethene	11.24	164	370486	1.738	ppbv	96
53) Toluene	9.82	91	847634	1.883	ppbv	98
54) 1,2-Dibromoethane	10.62	107	516540	1.849	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.14	131	430015	1.819	ppbv #	1
57) Chlorobenzene	12.16	112	770782	1.853	ppbv	96
58) Ethyl Benzene	12.73	91	1135413	1.888	ppbv	94
59) m/p-Xylene	13.01	91	1936539m	3.809	ppbv	
60) o-Xylene	13.71	91	939974	1.902	ppbv	98
61) Styrene	13.54	104	725683	1.817	ppbv	98
62) Isopropylbenzene	14.68	105	1556113	1.921	ppbv	94
63) 1,1,2,2-Tetrachloroethane	13.69	83	670766	1.890	ppbv	98
64) n-propylbenzene	15.58	120	454832	1.822	ppbv	79
65) tert-Butylbenzene	16.76	119	1501475	1.908	ppbv	95
66) Benzyl Chloride	17.00	91	311196	1.644	ppbv	96
67) sec-Butylbenzene	17.31	105	2028471	1.958	ppbv	93
69) p-Isopropyltoluene	17.67	119	1774910	1.931	ppbv	94
70) n-Butylbenzene	18.57	91	1674939	1.929	ppbv	94
71) 2-Chlorotoluene	15.47	91	1107423	1.885	ppbv	97
72) 4-Ethyltoluene	15.85	105	1231239	1.899	ppbv	97
73) 1,3,5-Trimethylbenzene	16.01	105	1133392	1.878	ppbv	93
74) 1,2,4-Trimethylbenzene	16.78	105	1247121	1.902	ppbv	95
75) 1,3-Dichlorobenzene	17.01	146	913517	1.804	ppbv	98
76) 1,4-Dichlorobenzene	17.15	146	895435	1.794	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	889770	1.794	ppbv	98
78) Hexachloro-1,3-Butadiene	23.40	225	657677	1.677	ppbv	98
79) Naphthalene	22.23	128	1642515	1.779	ppbv	97
80) Naphthalene, 2-methyl-	24.99	142	707655	1.855	ppbv	99
81) 1,2,4-Trichlorobenzene	21.95	180	922675	1.658	ppbv	99

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

