

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082320\
 Data File : VL035493.D
 Acq On : 23 Aug 2020 9:32
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Quant Time: Aug 23 10:39:35 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	5.66	49	1037564	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4632215	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4703002	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3349049	10.17	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.70%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	218691	1.137 ppbv	98
3) Chlorodifluoromethane	2.98	51	123870	0.952 ppbv	99
4) Chloromethane	3.13	50	62816	0.927 ppbv	97
5) Vinyl Chloride	3.25	62	74330	0.918 ppbv	100
6) Bromomethane	3.47	94	68009	0.960 ppbv	90
7) Chloroethane	3.55	64	28128	0.943 ppbv	91
8) Dichlorotetrafluoroethane	3.18	85	248214	1.008 ppbv	99
9) Propene	3.00	41	46998	0.899 ppbv	97
10) Heptane	8.13	43	124401	0.907 ppbv	98
11) Trichlorofluoromethane	3.94	101	296374	0.982 ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.48	101	214086	0.952 ppbv	100
13) Ethanol	3.60	45	14393m	0.751 ppbv	
14) Bromoethene	3.74	108	90774	0.914 ppbv	99
15) Acetone	3.85	43	122760	1.028 ppbv	94
16) 1,3-Butadiene	3.32	39	46579	0.962 ppbv	91
17) tert-Butyl alcohol	4.29	59	146051	0.946 ppbv	100
18) 1,1-Dichloroethene	4.29	96	93651	0.943 ppbv	98
19) Isopropyl Alcohol	3.97	45	75538	0.918 ppbv	# 95
20) Methylene Chloride	4.34	84	147684	1.533 ppbv	97
21) Allyl Chloride	4.41	41	55744	0.919 ppbv	97
22) trans-1,2-Dichloroethene	4.88	96	96835	0.914 ppbv	97
23) Vinyl Acetate	5.07	43	143714	0.842 ppbv	99
24) 1,1-Dichloroethane	5.01	63	158629	0.931 ppbv	100
25) Ethyl Acetate	5.68	43	230471	0.992 ppbv	98
26) Hexane	5.68	57	142967	1.090 ppbv	94
27) Carbon Disulfide	4.55	76	162344	0.856 ppbv	98
28) Methyl tert-Butyl Ether	5.04	73	214087	0.894 ppbv	99
29) Chloroform	5.75	83	255021	0.968 ppbv	96
30) Cyclohexane	7.13	84	129838	0.892 ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	124009	0.899 ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	234412	0.949 ppbv	99
34) 2-Butanone	5.25	43	138750	0.897 ppbv	99
35) Carbon Tetrachloride	7.02	117	238551	0.968 ppbv	99
36) Benzene	6.89	78	323022	0.950 ppbv	98
37) 1,2-Dichloroethane	6.30	62	147687	0.951 ppbv	100
38) Trichloroethene	7.84	130	172114	0.910 ppbv	98
39) 1,2-Dichloropropane	7.62	63	105887	0.945 ppbv	92
40) 1,4-Dioxane	7.86	88	55806m	0.914 ppbv	
41) Tetrahydrofuran	6.06	42	73604	0.862 ppbv	97
42) Bromodichloromethane	7.79	83	238050	0.916 ppbv	95
43) Methyl Methacrylate	8.02	69	118266	0.890 ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	433060	0.975	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	105764	0.772	ppbv	93
46) cis-1,3-Dichloropropene	8.71	75	139910	0.820	ppbv	95
47) 1,1,2-Trichloroethane	9.48	97	161081	0.962	ppbv	97
48) Dibromochloromethane	10.31	129	233351	0.831	ppbv	100
49) Bromoform	13.05	173	208996	0.773	ppbv	97
50) 4-Methyl-2-Pentanone	8.76	43	203982	0.919	ppbv	98
51) 2-Hexanone	10.16	43	161056	0.861	ppbv #	96
52) Tetrachloroethene	11.23	164	183410	0.884	ppbv	98
53) Toluene	9.82	91	404654	0.924	ppbv	97
54) 1,2-Dibromoethane	10.62	107	250583	0.922	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.13	131	205172	0.920	ppbv #	1
57) Chlorobenzene	12.16	112	384952	0.981	ppbv	94
58) Ethyl Benzene	12.72	91	537706	0.947	ppbv	94
59) m/p-Xylene	13.01	91	932958m	1.944	ppbv	
60) o-Xylene	13.70	91	455463	0.976	ppbv	98
61) Styrene	13.54	104	335316	0.890	ppbv	97
62) Isopropylbenzene	14.68	105	759167	0.993	ppbv	94
63) 1,1,2,2-Tetrachloroethane	13.69	83	336525	1.004	ppbv	98
64) n-propylbenzene	15.58	120	219596	0.932	ppbv	76
65) tert-Butylbenzene	16.76	119	720181	0.969	ppbv	96
66) Benzyl Chloride	17.00	91	120538	0.675	ppbv	94
67) sec-Butylbenzene	17.31	105	981535	1.004	ppbv	92
69) p-Isopropyltoluene	17.67	119	845575	0.975	ppbv	93
70) n-Butylbenzene	18.57	91	805310	0.983	ppbv	93
71) 2-Chlorotoluene	15.47	91	532836	0.961	ppbv	97
72) 4-Ethyltoluene	15.85	105	576756	0.942	ppbv	97
73) 1,3,5-Trimethylbenzene	16.01	105	533086	0.936	ppbv	94
74) 1,2,4-Trimethylbenzene	16.78	105	602771	0.974	ppbv	98
75) 1,3-Dichlorobenzene	17.01	146	449933	0.941	ppbv	97
76) 1,4-Dichlorobenzene	17.16	146	444282m	0.943	ppbv	
77) 1,2-Dichlorobenzene	17.84	146	439416	0.939	ppbv	97
78) Hexachloro-1,3-Butadiene	23.40	225	305273	0.825	ppbv	99
79) Naphthalene	22.23	128	730211	0.838	ppbv #	94
80) Naphthalene, 2-methyl-	24.99	142	262283	0.728	ppbv	99
81) 1,2,4-Trichlorobenzene	21.96	180	431871	0.822	ppbv	99

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

