

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082320\
 Data File : VL035494.D
 Acq On : 23 Aug 2020 10:09
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Quant Time: Aug 23 10:42:51 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	1024379	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4556785	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4573632	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3303032	10.32	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	121915	0.642	ppbv 97
3) Chlorodifluoromethane	2.98	51	62052	0.483	ppbv 99
4) Chloromethane	3.13	50	31239	0.467	ppbv 99
5) Vinyl Chloride	3.25	62	37642	0.471	ppbv 97
6) Bromomethane	3.47	94	34525	0.494	ppbv 96
7) Chloroethane	3.56	64	14483	0.492	ppbv 96
8) Dichlorotetrafluoroethane	3.18	85	124418	0.512	ppbv 100
9) Propene	3.01	41	25541	0.495	ppbv 96
10) Heptane	8.13	43	61175	0.452	ppbv 100
11) Trichlorofluoromethane	3.94	101	148634	0.499	ppbv 95
12) 1,1,2-Trichlorotrifluoroet	4.48	101	110147	0.496	ppbv 98
13) Ethanol	3.61	45	6812m	0.360	ppbv
14) Bromoethene	3.74	108	44372	0.452	ppbv 96
15) Acetone	3.86	43	60503	0.513	ppbv 89
16) 1,3-Butadiene	3.32	39	21899	0.458	ppbv 96
17) tert-Butyl alcohol	4.30	59	71689	0.470	ppbv 100
18) 1,1-Dichloroethene	4.29	96	45722	0.466	ppbv 93
19) Isopropyl Alcohol	3.97	45	37067	0.456	ppbv # 90
20) Methylene Chloride	4.34	84	80801m	0.849	ppbv
21) Allyl Chloride	4.41	41	26952m	0.450	ppbv
22) trans-1,2-Dichloroethene	4.89	96	49356	0.472	ppbv 97
23) Vinyl Acetate	5.07	43	65864	0.391	ppbv # 98
24) 1,1-Dichloroethane	5.01	63	79986	0.476	ppbv 97
25) Ethyl Acetate	5.69	43	112937	0.492	ppbv 98
26) Hexane	5.69	57	70202	0.542	ppbv 94
27) Carbon Disulfide	4.55	76	73941	0.395	ppbv # 90
28) Methyl tert-Butyl Ether	5.05	73	102955	0.435	ppbv 100
29) Chloroform	5.75	83	130811	0.503	ppbv 96
30) Cyclohexane	7.13	84	61742m	0.430	ppbv
31) cis-1,2-Dichloroethene	5.55	61	58611	0.430	ppbv 95
32) 1,1,1-Trichloroethane	6.51	97	111835	0.459	ppbv 97
34) 2-Butanone	5.26	43	68776	0.452	ppbv 98
35) Carbon Tetrachloride	7.02	117	112738	0.465	ppbv 98
36) Benzene	6.89	78	153625	0.459	ppbv 98
37) 1,2-Dichloroethane	6.31	62	76655	0.502	ppbv 99
38) Trichloroethene	7.83	130	85616	0.460	ppbv 94
39) 1,2-Dichloropropane	7.61	63	51970	0.471	ppbv 97
40) 1,4-Dioxane	7.87	88	20368	0.339	ppbv # 16
41) Tetrahydrofuran	6.07	42	34558	0.412	ppbv 94
42) Bromodichloromethane	7.79	83	109709	0.429	ppbv # 98
43) Methyl Methacrylate	8.02	69	54021	0.413	ppbv 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	204465	0.468	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	46969	0.349	ppbv	92
46) cis-1,3-Dichloropropene	8.71	75	61377	0.366	ppbv	95
47) 1,1,2-Trichloroethane	9.48	97	77870	0.473	ppbv	98
48) Dibromochloromethane	10.31	129	102817	0.372	ppbv	99
49) Bromoform	13.05	173	88401	0.332	ppbv	97
50) 4-Methyl-2-Pentanone	8.76	43	92240	0.422	ppbv	99
51) 2-Hexanone	10.16	43	69295	0.376	ppbv #	95
52) Tetrachloroethene	11.23	164	91178	0.447	ppbv	97
53) Toluene	9.81	91	186077	0.432	ppbv	97
54) 1,2-Dibromoethane	10.62	107	120706	0.451	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.13	131	95373	0.440	ppbv #	1
57) Chlorobenzene	12.16	112	193598	0.507	ppbv #	90
58) Ethyl Benzene	12.72	91	250888	0.454	ppbv	92
59) m/p-Xylene	13.01	91	438873m	0.940	ppbv	
60) o-Xylene	13.70	91	213789	0.471	ppbv	97
61) Styrene	13.54	104	145410	0.397	ppbv	97
62) Isopropylbenzene	14.68	105	358509	0.482	ppbv	93
63) 1,1,2,2-Tetrachloroethane	13.69	83	162932	0.500	ppbv	99
64) n-propylbenzene	15.58	120	101933	0.445	ppbv	70
65) tert-Butylbenzene	16.76	119	329600	0.456	ppbv	96
66) Benzyl Chloride	17.01	91	49609m	0.285	ppbv	
67) sec-Butylbenzene	17.31	105	449064	0.472	ppbv	92
69) p-Isopropyltoluene	17.67	119	374906	0.444	ppbv	95
70) n-Butylbenzene	18.57	91	370090	0.464	ppbv	92
71) 2-Chlorotoluene	15.46	91	245438	0.455	ppbv	97
72) 4-Ethyltoluene	15.86	105	261134	0.439	ppbv	98
73) 1,3,5-Trimethylbenzene	16.01	105	241334	0.436	ppbv	96
74) 1,2,4-Trimethylbenzene	16.78	105	283290	0.471	ppbv	97
75) 1,3-Dichlorobenzene	17.01	146	217571	0.468	ppbv	97
76) 1,4-Dichlorobenzene	17.16	146	218115m	0.476	ppbv	
77) 1,2-Dichlorobenzene	17.84	146	216768	0.476	ppbv	96
78) Hexachloro-1,3-Butadiene	23.40	225	148111	0.411	ppbv	98
79) Naphthalene	22.23	128	320593	0.378	ppbv	96
80) Naphthalene, 2-methyl-	25.00	142	98715	0.282	ppbv	99
81) 1,2,4-Trichlorobenzene	21.96	180	201105	0.394	ppbv	99

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

