

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081020\
 Data File : VL035378.D
 Acq On : 11 Aug 2020 7:59
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

apatel
 8/17/2020 3:27:41 PM

Quant Time: Aug 11 20:48:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 0
 QLast Update : Wed Aug 05 13:04:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1279155	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3201751	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3289516m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2613590	9.53	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.00	85	1677595	9.860	ppbv	100
3) Chlorodifluoromethane	2.94	51	1462931	10.019	ppbv	98
4) Chloromethane	3.10	50	814035	9.847	ppbv	99
5) Vinyl Chloride	3.21	62	845401	9.942	ppbv	99
6) Bromomethane	3.43	94	536977	10.308	ppbv	100
7) Chloroethane	3.52	64	317894	10.066	ppbv	91
8) Dichlorotetrafluoroethane	3.14	85	2001964	9.955	ppbv	100
9) Propene	2.96	41	573245	11.017	ppbv	100
10) Heptane	8.13	43	1596329	12.011	ppbv	99
11) Trichlorofluoromethane	3.92	101	2148245	9.745	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1541505	9.784	ppbv	100
13) Ethanol	3.57	45	178526	9.948	ppbv	93
14) Bromoethene	3.70	108	667802	10.570	ppbv	99
15) Acetone	3.82	43	1644470	9.053	ppbv	99
16) 1,3-Butadiene	3.29	39	763872	10.925	ppbv	98
17) tert-Butyl alcohol	4.26	59	1882357	11.291	ppbv	99
18) 1,1-Dichloroethene	4.26	96	699018	10.332	ppbv	95
19) Isopropyl Alcohol	3.93	45	1241722	10.784	ppbv	100
20) Methylene Chloride	4.31	84	624620	8.432	ppbv	95
21) Allyl Chloride	4.38	41	1121423	10.775	ppbv	97
22) trans-1,2-Dichloroethene	4.86	96	694175	10.581	ppbv	93
23) Vinyl Acetate	5.06	43	2068356	11.875	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1692820	10.342	ppbv	98
25) Ethyl Acetate	5.66	43	2949741	10.687	ppbv	99
26) Hexane	5.68	57	1294997	10.817	ppbv	98
27) Carbon Disulfide	4.53	76	1830216	10.932	ppbv	98
28) Methyl tert-Butyl Ether	5.01	73	2017266	11.588	ppbv	99
29) Chloroform	5.75	83	2107904	10.213	ppbv	100
30) Cyclohexane	7.13	84	1088393	11.989	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1263562	11.872	ppbv	96
32) 1,1,1-Trichloroethane	6.51	97	2096962	9.666	ppbv	100
34) 2-Butanone	5.23	43	1789748	11.353	ppbv	99
35) Carbon Tetrachloride	7.02	117	2233446	10.137	ppbv	97
36) Benzene	6.89	78	2534774	11.724	ppbv	100
37) 1,2-Dichloroethane	6.30	62	1631370	10.801	ppbv	99
38) Trichloroethene	7.84	130	1084505	10.874	ppbv	97
39) 1,2-Dichloropropane	7.62	63	978008	11.174	ppbv	99
40) 1,4-Dioxane	7.84	88	422210	11.264	ppbv #	1
41) Tetrahydrofuran	6.04	42	963993	12.460	ppbv	100
42) Bromodichloromethane	7.80	83	2229733	10.993	ppbv	97
43) Methyl Methacrylate	8.02	69	1142979	12.566	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4372891	11.385	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1312531	13.911	ppbv	97
46) cis-1,3-Dichloropropene	8.72	75	1542761	13.539	ppbv	99
47) 1,1,2-Trichloroethane	9.50	97	1111066	10.558	ppbv	98
48) Dibromochloromethane	10.33	129	1941792	11.264	ppbv	98
49) Bromoform	13.08	173	1833704	11.674	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	2737933	11.375	ppbv	100
51) 2-Hexanone	10.15	43	2241639	11.879	ppbv #	98
52) Tetrachloroethene	11.25	164	971704	11.336	ppbv	97
53) Toluene	9.83	91	3029426	12.881	ppbv	100
54) 1,2-Dibromoethane	10.64	107	1729744	11.457	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.16	131	1537856	9.904	ppbv	96
57) Chlorobenzene	12.18	112	2467574	9.962	ppbv	99
58) Ethyl Benzene	12.74	91	4099158	11.976	ppbv	98
59) m/p-Xylene	13.03	91	6977604m	21.892	ppbv	
60) o-Xylene	13.73	91	3533148	11.171	ppbv	100
61) Styrene	13.56	104	2494848	12.916	ppbv	99
62) Isopropylbenzene	14.70	105	5217153	10.955	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.72	83	2548601	9.445	ppbv	99
64) n-propylbenzene	15.60	120	1433432	11.200	ppbv	98
65) tert-Butylbenzene	16.79	119	4781170	10.964	ppbv	100
66) Benzyl Chloride	17.03	91	2096139	12.144	ppbv	100
67) sec-Butylbenzene	17.34	105	6536701	10.597	ppbv	100
69) p-Isopropyltoluene	17.70	119	5601920	11.140	ppbv	99
70) n-Butylbenzene	18.59	91	5815309	10.811	ppbv	100
71) 2-Chlorotoluene	15.49	91	4036979	11.572	ppbv	100
72) 4-Ethyltoluene	15.88	105	4213252	11.684	ppbv	99
73) 1,3,5-Trimethylbenzene	16.04	105	3962873	11.452	ppbv	99
74) 1,2,4-Trimethylbenzene	16.81	105	4212061	10.650	ppbv	97
75) 1,3-Dichlorobenzene	17.04	146	2514494	9.719	ppbv	100
76) 1,4-Dichlorobenzene	17.19	146	2495167	10.414	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	2408257	10.086	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	2007430m	9.882	ppbv	
79) Naphthalene	22.26	128	4170395	13.710	ppbv	99
80) Naphthalene, 2-methyl-	25.01	142	1688724	24.405	ppbv	98
81) 1,2,4-Trichlorobenzene	21.98	180	2337560m	12.194	ppbv	

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

