

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081220\
 Data File : VL035384.D
 Acq On : 12 Aug 2020 13:57
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

MMDadoda
 8/17/2020 5:43:51 PM

Quant Time: Aug 12 15:37:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081220AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 12 2020
 QLast Update : Wed Aug 12 15:19:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1422272	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3295437	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3135801	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2578936	9.86	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	113072	0.598	ppbv	98
3) Chlorodifluoromethane	2.98	51	86042	0.530	ppbv	96
4) Chloromethane	3.13	50	48296	0.525	ppbv	89
5) Vinyl Chloride	3.25	62	46618	0.493	ppbv	99
6) Bromomethane	3.47	94	28237m	0.487	ppbv	
7) Chloroethane	3.56	64	16961	0.483	ppbv	94
8) Dichlorotetrafluoroethane	3.18	85	108752	0.486	ppbv	98
9) Propene	3.00	41	47783	0.826	ppbv	100
10) Heptane	8.14	43	123037m	0.833	ppbv	
11) Trichlorofluoromethane	3.95	101	112897	0.461	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	75021	0.428	ppbv	97
13) Ethanol	3.61	45	16795m	0.842	ppbv	
14) Bromoethene	3.74	108	32986	0.470	ppbv	97
15) Acetone	3.86	43	104247	0.516	ppbv	99
16) 1,3-Butadiene	3.32	39	52738m	0.678	ppbv	
17) tert-Butyl alcohol	4.31	59	113741	0.614	ppbv	100
18) 1,1-Dichloroethene	4.29	96	33888	0.450	ppbv	97
19) Isopropyl Alcohol	3.98	45	78463	0.613	ppbv	90
20) Methylene Chloride	4.35	84	39448	0.479	ppbv	96
21) Allyl Chloride	4.41	41	58788	0.508	ppbv	93
22) trans-1,2-Dichloroethene	4.89	96	33769	0.463	ppbv	94
23) Vinyl Acetate	5.08	43	153494	0.793	ppbv	97
24) 1,1-Dichloroethane	5.01	63	102190	0.561	ppbv	98
25) Ethyl Acetate	5.69	43	207738	0.677	ppbv	99
26) Hexane	5.69	57	89094	0.669	ppbv	98
27) Carbon Disulfide	4.56	76	88366	0.475	ppbv #	85
28) Methyl tert-Butyl Ether	5.05	73	155663m	0.804	ppbv	
29) Chloroform	5.75	83	124913	0.544	ppbv	86
30) Cyclohexane	7.13	84	75908m	0.752	ppbv	
31) cis-1,2-Dichloroethene	5.55	61	83985	0.710	ppbv	90
32) 1,1,1-Trichloroethane	6.51	97	124564m	0.516	ppbv	
34) 2-Butanone	5.26	43	127260	0.784	ppbv	99
35) Carbon Tetrachloride	7.02	117	117141	0.517	ppbv	95
36) Benzene	6.90	78	179501	0.807	ppbv	94
37) 1,2-Dichloroethane	6.31	62	96287	0.619	ppbv	97
38) Trichloroethene	7.84	130	62653	0.610	ppbv	98
39) 1,2-Dichloropropane	7.62	63	70045	0.778	ppbv	92
40) 1,4-Dioxane	7.88	88	30919m	0.801	ppbv	
41) Tetrahydrofuran	6.08	42	73030	0.917	ppbv	98
42) Bromodichloromethane	7.80	83	134874m	0.646	ppbv	
43) Methyl Methacrylate	8.03	69	75508	0.807	ppbv	98

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44) 2,2,4-Trimethylpentane	7.88	57	306560	0.775	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	84223m	0.867	ppbv	
46) cis-1,3-Dichloropropene	8.71	75	101575m	0.866	ppbv	
47) 1,1,2-Trichloroethane	9.49	97	70242	0.648	ppbv	92
48) Dibromochloromethane	10.32	129	105743m	0.596	ppbv	
49) Bromoform	13.06	173	80531m	0.498	ppbv	
50) 4-Methyl-2-Pentanone	8.77	43	203008m	0.819	ppbv	
51) 2-Hexanone	10.17	43	157065	0.809	ppbv #	96
52) Tetrachloroethene	11.24	164	57601m	0.653	ppbv	
53) Toluene	9.82	91	214638	0.887	ppbv	97
54) 1,2-Dibromoethane	10.63	107	111773	0.719	ppbv	93
56) 1,1,1,2-Tetrachloroethane	12.14	131	86553m	0.585	ppbv	
57) Chlorobenzene	12.17	112	154667	0.655	ppbv #	94
58) Ethyl Benzene	12.73	91	286095	0.877	ppbv	100
59) m/p-Xylene	12.99	91	484721m	1.595	ppbv	
60) o-Xylene	13.71	91	240103	0.796	ppbv	97
61) Styrene	13.55	104	164195	0.892	ppbv	99
62) Isopropylbenzene	14.69	105	358291	0.789	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.70	83	162200	0.631	ppbv	99
64) n-propylbenzene	15.59	120	92012	0.754	ppbv	85
65) tert-Butylbenzene	16.77	119	317914	0.765	ppbv	99
66) Benzyl Chloride	17.01	91	114969	0.699	ppbv	95
67) sec-Butylbenzene	17.32	105	452245	0.769	ppbv	97
69) p-Isopropyltoluene	17.68	119	372595	0.777	ppbv	98
70) n-Butylbenzene	18.58	91	424031	0.827	ppbv	95
71) 2-Chlorotoluene	15.48	91	283226	0.852	ppbv	95
72) 4-Ethyltoluene	15.87	105	290042m	0.844	ppbv	
73) 1,3,5-Trimethylbenzene	16.02	105	266412	0.808	ppbv	93
74) 1,2,4-Trimethylbenzene	16.78	105	290230	0.770	ppbv	97
75) 1,3-Dichlorobenzene	17.02	146	154379	0.626	ppbv	98
76) 1,4-Dichlorobenzene	17.17	146	154937	0.678	ppbv	99
77) 1,2-Dichlorobenzene	17.85	146	160485m	0.705	ppbv	
78) Hexachloro-1,3-Butadiene	23.40	225	130386	0.673	ppbv	97
79) Naphthalene	22.23	128	348126m	1.201	ppbv	
80) Naphthalene, 2-methyl-	25.00	142	148563	2.252	ppbv	98
81) 1,2,4-Trichlorobenzene	21.96	180	167677m	0.918	ppbv	

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

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