

Data File : VL037887.D
Acq On : 20 Oct 2021 14:41
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Manual Integrations
APPROVED

Quant Time: Oct 25 11:50:05 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421A
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Mon Oct 04 17:43:54 2021
Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1234044	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3627040	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3441580m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2293838	9.53	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.30%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	1842764	9.349	ppbv	99
3) Chlorodifluoromethane	2.99	51	2527404	10.659	ppbv	99
4) Chloromethane	3.14	50	961685	11.073	ppbv	97
5) Vinyl Chloride	3.26	62	959659	12.054	ppbv	98
6) Bromomethane	3.47	94	448044	10.404	ppbv	99
7) Chloroethane	3.56	64	335940	11.476	ppbv	92
8) Dichlorotetrafluoroethane	3.19	85	2120697	10.885	ppbv	99
9) Propene	3.01	41	926435	10.619	ppbv	96
10) Heptane	8.12	43	2361618	11.919	ppbv	100
11) Trichlorofluoromethane	3.95	101	1892469	10.761	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1412288	10.599	ppbv	98
13) Ethanol	3.61	45	95085m	13.327	ppbv	
14) Bromoethene	3.74	108	650076	11.096	ppbv	98
15) Acetone	3.85	43	1355359	12.235	ppbv	99
16) 1,3-Butadiene	3.33	39	938449	11.643	ppbv	99
17) tert-Butyl alcohol	4.28	59	1357763	11.900	ppbv	100
18) 1,1-Dichloroethene	4.29	96	670337	11.070	ppbv	96
19) Isopropyl Alcohol	3.96	45	802812	11.649	ppbv #	97
20) Methylene Chloride	4.34	84	564810	10.091	ppbv	97
21) Allyl Chloride	4.41	41	1064114	10.843	ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	677834	11.134	ppbv	98
23) Vinyl Acetate	5.07	43	2085006	12.559	ppbv	98
24) 1,1-Dichloroethane	5.01	63	1367362	11.315	ppbv	99
25) Ethyl Acetate	5.68	43	3634085	11.690	ppbv	99
26) Hexane	5.69	57	1729054	11.296	ppbv	100
27) Carbon Disulfide	4.55	76	1657757	12.220	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1353251	10.618	ppbv	100
29) Chloroform	5.75	83	2363145	10.800	ppbv	99
30) Cyclohexane	7.13	84	1422358	10.958	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1563061	11.248	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	2245103	10.823	ppbv	100
34) 2-Butanone	5.24	43	1651248	11.277	ppbv	100
35) Carbon Tetrachloride	7.02	117	2344706	11.383	ppbv	98
36) Benzene	6.89	78	3498260	11.292	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1657079	11.360	ppbv	99
38) Trichloroethene	7.83	130	1387949	11.340	ppbv	98
39) 1,2-Dichloropropane	7.61	63	1363979	11.705	ppbv	96
40) 1,4-Dioxane	7.84	88	267066	9.159	ppbv #	100
41) Tetrahydrofuran	6.05	42	856245	11.942	ppbv	98
42) Bromodichloromethane	7.79	83	2524605	11.783	ppbv	100
43) Methyl Methacrylate	8.01	69	1267873	12.530	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5911142	11.357	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	852200	12.240	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1164918	12.071	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1428989	11.281	ppbv	97
48) Dibromochloromethane	10.30	129	2221211	12.300	ppbv	99
49) Bromoform	13.04	173	1829103	13.237	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2360620	12.384	ppbv	99
51) 2-Hexanone	10.14	43	1076497	12.650	ppbv #	99
52) Tetrachloroethene	11.22	164	1303337	10.813	ppbv	99
53) Toluene	9.81	91	4103128	11.951	ppbv	100
54) 1,2-Dibromoethane	10.61	107	1977954	11.559	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.13	131	1562325	10.966	ppbv	97
57) Chlorobenzene	12.15	112	2984954	10.573	ppbv	99
58) Ethyl Benzene	12.71	91	5172178	11.192	ppbv	98
59) m/p-Xylene	13.00	91	8786182m	22.149	ppbv	
60) o-Xylene	13.69	91	4105909	10.800	ppbv	99
61) Styrene	13.53	104	2280394	12.401	ppbv	99
62) Isopropylbenzene	14.66	105	5657543	10.669	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.67	83	2999280	10.224	ppbv	98
64) n-propylbenzene	15.56	120	1496327	11.316	ppbv	94
65) tert-Butylbenzene	16.74	119	5092493	10.913	ppbv	99
66) Benzyl Chloride	16.98	91	258148	11.210	ppbv #	94
67) sec-Butylbenzene	17.29	105	7130376	11.173	ppbv	100
69) p-Isopropyltoluene	17.65	119	6008041	11.645	ppbv	100
70) n-Butylbenzene	18.54	91	6036486	12.315	ppbv	100
71) 2-Chlorotoluene	15.45	91	4143752	11.066	ppbv	99
72) 4-Ethyltoluene	15.84	105	5017580	11.624	ppbv	98
73) 1,3,5-Trimethylbenzene	15.99	105	4409371	11.245	ppbv	94
74) 1,2,4-Trimethylbenzene	16.76	105	4654346	11.304	ppbv	96
75) 1,3-Dichlorobenzene	16.99	146	2861203	11.216	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	2884498	11.853	ppbv	98
77) 1,2-Dichlorobenzene	17.81	146	2838592	11.583	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	2077704	10.384	ppbv	99
79) Naphthalene	22.19	128	3524016	13.975	ppbv	99
80) Naphthalene,2-methyl-	24.97	142	884528	13.063	ppbv	98
81) 1,2,4-Trichlorobenzene	21.92	180	2099171	13.015	ppbv	99

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

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