

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL102521\
 Data File : VL037893.D
 Acq On : 25 Oct 2021 14:10
 Operator : SY/AP
 Sample : VL1025ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VL1025ABS01

Manual Integrations
 APPROVED

Quant Time: Oct 26 00:06:12 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 10/27/2021
 Supervised By :Mahesh Dadoda 10/27/2021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1494131	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4380577	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3799482m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2815193	10.60	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.06	85	1942380	8.139 ppbv	96
3) Chlorodifluoromethane	3.00	51	2517820	8.770 ppbv	99
4) Chloromethane	3.15	50	993935	9.452 ppbv	94
5) Vinyl Chloride	3.27	62	963546	9.996 ppbv	98
6) Bromomethane	3.48	94	467469	8.966 ppbv	98
7) Chloroethane	3.57	64	326866	9.223 ppbv	96
8) Dichlorotetrafluoroethane	3.20	85	2207913	9.360 ppbv	99
9) Propene	3.02	41	901979	8.539 ppbv	98
10) Heptane	8.13	43	2398710	9.999 ppbv	99
11) Trichlorofluoromethane	3.96	101	1969708	9.251 ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1463945	9.074 ppbv	99
13) Ethanol	3.62	45	93726m	10.850 ppbv	
14) Bromoethene	3.75	108	677420	9.550 ppbv	96
15) Acetone	3.86	43	1430837	10.668 ppbv	99
16) 1,3-Butadiene	3.34	39	928586	9.515 ppbv	99
17) tert-Butyl alcohol	4.29	59	1263420	9.146 ppbv	99
18) 1,1-Dichloroethene	4.30	96	692068	9.439 ppbv	99
19) Isopropyl Alcohol	3.98	45	746256	8.943 ppbv #	92
20) Methylene Chloride	4.35	84	587015	8.662 ppbv	99
21) Allyl Chloride	4.42	41	1097368	9.235 ppbv	99
22) trans-1,2-Dichloroethene	4.90	96	690180	9.363 ppbv	96
23) Vinyl Acetate	5.08	43	2087437	10.385 ppbv	99
24) 1,1-Dichloroethane	5.02	63	1407184	9.617 ppbv	99
25) Ethyl Acetate	5.69	43	3619832	9.618 ppbv	100
26) Hexane	5.70	57	1693753	9.139 ppbv	98
27) Carbon Disulfide	4.56	76	1734474	10.560 ppbv	98
28) Methyl tert-Butyl Ether	5.04	73	1367887	8.865 ppbv	100
29) Chloroform	5.76	83	2450272	9.249 ppbv	97
30) Cyclohexane	7.14	84	1444369	9.190 ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1563560	9.293 ppbv	97
32) 1,1,1-Trichloroethane	6.52	97	2339488	9.315 ppbv	99
34) 2-Butanone	5.25	43	1605094	9.076 ppbv	100
35) Carbon Tetrachloride	7.03	117	2425877	9.751 ppbv	98
36) Benzene	6.90	78	3559409	9.513 ppbv	99
37) 1,2-Dichloroethane	6.32	62	1674777	9.506 ppbv	99
38) Trichloroethene	7.84	130	1442579	9.759 ppbv	98
39) 1,2-Dichloropropane	7.62	63	1362121	9.678 ppbv	95
40) 1,4-Dioxane	7.85	88	323885	9.197 ppbv #	100
41) Tetrahydrofuran	6.06	42	813178	9.390 ppbv	99
42) Bromodichloromethane	7.80	83	2568213	9.924 ppbv	98
43) Methyl Methacrylate	8.02	69	1282240	10.492 ppbv	98

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44) 2,2,4-Trimethylpentane	7.88	57	6019885	9.576	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	858607	10.211	ppbv	96
46) cis-1,3-Dichloropropene	8.72	75	1187802	10.191	ppbv	97
47) 1,1,2-Trichloroethane	9.48	97	1460526	9.546	ppbv	98
48) Dibromochloromethane	10.31	129	2288172	10.491	ppbv	99
49) Bromoform	13.05	173	1988999	11.918	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	2355820	10.233	ppbv	99
51) 2-Hexanone	10.15	43	1097146	10.675	ppbv #	99
52) Tetrachloroethene	11.23	164	1301081	8.938	ppbv	97
53) Toluene	9.82	91	4124015	9.946	ppbv	100
54) 1,2-Dibromoethane	10.62	107	2019906	9.774	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.14	131	1589268	10.104	ppbv	95
57) Chlorobenzene	12.16	112	3077778	9.875	ppbv	99
58) Ethyl Benzene	12.72	91	5417931	10.619	ppbv	100
59) m/p-Xylene	13.00	91	9132585m	20.853	ppbv	
60) o-Xylene	13.70	91	4257032	10.143	ppbv	99
61) Styrene	13.54	104	2392886	11.787	ppbv	98
62) Isopropylbenzene	14.68	105	6051497	10.337	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	3208214	9.906	ppbv	99
64) n-propylbenzene	15.57	120	1651507	11.313	ppbv	92
65) tert-Butylbenzene	16.75	119	5365088	10.414	ppbv	99
66) Benzyl Chloride	17.00	91	318032m	12.509	ppbv	
67) sec-Butylbenzene	17.30	105	7573181	10.749	ppbv	100
69) p-Isopropyltoluene	17.66	119	6354813	11.156	ppbv	100
70) n-Butylbenzene	18.56	91	6285523	11.616	ppbv	100
71) 2-Chlorotoluene	15.46	91	4549903	11.006	ppbv	98
72) 4-Ethyltoluene	15.85	105	5395277	11.321	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	4842367	11.186	ppbv	96
74) 1,2,4-Trimethylbenzene	16.77	105	4989954	10.977	ppbv	97
75) 1,3-Dichlorobenzene	17.00	146	3084231	10.951	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	2997968	11.159	ppbv	100
77) 1,2-Dichlorobenzene	17.82	146	2971103	10.982	ppbv	100
78) Hexachloro-1,3-Butadiene	23.38	225	2163345	9.793	ppbv	99
79) Naphthalene	22.20	128	3567426	12.814	ppbv	99
80) Naphthalene,2-methyl-	24.97	142	804943	10.768	ppbv	99
81) 1,2,4-Trichlorobenzene	21.93	180	2181532	12.252	ppbv	100

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

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