

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL091621\
 Data File : VL037616.D
 Acq On : 16 Sep 2021 12:50
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

MMDadoda
 9/20/2021 5:26:51 PM

Quant Time: Sep 16 13:39:37 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 2021
 QLast Update : Thu Sep 16 10:46:26 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1628321	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4909095	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	4332865m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	3139723	10.20	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	3197084	12.237	ppbv	99
3) Chlorodifluoromethane	2.98	51	4270783	13.697	ppbv	100
4) Chloromethane	3.13	50	1639672	14.716	ppbv	99
5) Vinyl Chloride	3.25	62	1656679	14.513	ppbv	97
6) Bromomethane	3.46	94	908098	14.522	ppbv	97
7) Chloroethane	3.54	64	582129	14.941	ppbv	96
8) Dichlorotetrafluoroethane	3.18	85	3598726	13.343	ppbv	99
9) Propene	3.00	41	1612862	14.457	ppbv	95
10) Heptane	8.10	43	3945221	15.364	ppbv	99
11) Trichlorofluoromethane	3.94	101	3348310	13.653	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	2513379	13.966	ppbv	99
13) Ethanol	3.60	45	134084m	12.351	ppbv	
14) Bromoethene	3.73	108	1181805	14.465	ppbv	98
15) Acetone	3.84	43	2002666	12.085	ppbv	100
16) 1,3-Butadiene	3.32	39	1600472	15.056	ppbv	98
17) tert-Butyl alcohol	4.27	59	2022065	13.357	ppbv	99
18) 1,1-Dichloroethene	4.27	96	1161065	14.203	ppbv	94
19) Isopropyl Alcohol	3.95	45	1210874	12.754	ppbv #	96
20) Methylene Chloride	4.33	84	1013178	12.211	ppbv	98
21) Allyl Chloride	4.40	41	1981170	14.719	ppbv	96
22) trans-1,2-Dichloroethene	4.87	96	1238546	15.186	ppbv	94
23) Vinyl Acetate	5.06	43	3730907	15.274	ppbv #	98
24) 1,1-Dichloroethane	5.00	63	2431563	13.725	ppbv	99
25) Ethyl Acetate	5.66	43	6133107	14.579	ppbv	99
26) Hexane	5.67	57	2903781	14.117	ppbv	100
27) Carbon Disulfide	4.54	76	2960447	16.150	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	2525400	12.784	ppbv	99
29) Chloroform	5.74	83	4138493	14.197	ppbv	99
30) Cyclohexane	7.12	84	2461110	14.360	ppbv	98
31) cis-1,2-Dichloroethene	5.53	61	2769320	14.876	ppbv	97
32) 1,1,1-Trichloroethane	6.49	97	3953884	13.805	ppbv	99
34) 2-Butanone	5.23	43	2718525	13.561	ppbv	98
35) Carbon Tetrachloride	7.00	117	4149523	14.303	ppbv	98
36) Benzene	6.87	78	5991581	14.519	ppbv	99
37) 1,2-Dichloroethane	6.29	62	2944171	14.403	ppbv	100
38) Trichloroethene	7.82	130	2356432	13.917	ppbv	97
39) 1,2-Dichloropropane	7.60	63	2356287	14.859	ppbv	96
40) 1,4-Dioxane	7.82	88	527254m	13.572	ppbv	
41) Tetrahydrofuran	6.03	42	1482043	15.347	ppbv	100
42) Bromodichloromethane	7.77	83	4354320	14.568	ppbv	96
43) Methyl Methacrylate	8.00	69	2240610	15.578	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	9636645	13.875	ppbv	98
45) t-1,3-Dichloropropene	9.26	75	2005146	18.518	ppbv	96
46) cis-1,3-Dichloropropene	8.68	75	2532625	16.768	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	2429573	14.179	ppbv	96
48) Dibromochloromethane	10.28	129	3831853	15.540	ppbv	97
49) Bromoform	13.02	173	3242895	16.685	ppbv	97
50) 4-Methyl-2-Pentanone	8.73	43	3996463	15.281	ppbv	100
51) 2-Hexanone	10.12	43	1927556m	16.024	ppbv	
52) Tetrachloroethene	11.21	164	2196647	12.990	ppbv	97
53) Toluene	9.79	91	6924381	14.695	ppbv	100
54) 1,2-Dibromoethane	10.59	107	3504234	14.650	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.11	131	2627395	14.553	ppbv #	65
57) Chlorobenzene	12.13	112	4958255	13.789	ppbv	99
58) Ethyl Benzene	12.69	91	8730467	14.520	ppbv	98
59) m/p-Xylene	12.98	91	14465602m	27.751	ppbv	
60) o-Xylene	13.67	91	6740500	13.854	ppbv	96
61) Styrene	13.51	104	4020619	15.908	ppbv	98
62) Isopropylbenzene	14.65	105	9310803	13.560	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.66	83	4998597	13.824	ppbv	100
64) n-propylbenzene	15.54	120	2666051	15.257	ppbv	99
65) tert-Butylbenzene	16.72	119	8268251	13.222	ppbv	99
66) Benzyl Chloride	16.96	91	654225	23.127	ppbv	98
67) sec-Butylbenzene	17.27	105	11411134	13.059	ppbv	99
69) p-Isopropyltoluene	17.63	119	9707779	13.634	ppbv	98
70) n-Butylbenzene	18.53	91	9537869	14.017	ppbv	98
71) 2-Chlorotoluene	15.43	91	7187061	14.273	ppbv	97
72) 4-Ethyltoluene	15.82	105	8163479	14.107	ppbv	98
73) 1,3,5-Trimethylbenzene	15.98	105	7444955	13.821	ppbv	97
74) 1,2,4-Trimethylbenzene	16.74	105	7593366	13.265	ppbv	98
75) 1,3-Dichlorobenzene	16.97	146	4858468	14.101	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	4809886	13.858	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	4677964	13.788	ppbv	100
78) Hexachloro-1,3-Butadiene	23.35	225	3367512	11.938	ppbv	99
79) Naphthalene	22.17	128	5989872	15.637	ppbv	98
80) Naphthalene, 2-methyl-	24.95	142	1842293	17.263	ppbv	99
81) 1,2,4-Trichlorobenzene	21.89	180	3479690	14.476	ppbv	98

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

