

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072920\
 Data File : VL035239.D
 Acq On : 29 Jul 2020 6:34
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

MMDadoda
 7/30/2020 6:10:34 PM

Quant Time: Jul 29 07:12:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 29 2020
 QLast Update : Wed Jul 29 03:31:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1499343	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3580892	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	3791698	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2802055	9.08	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	90.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	1924970	9.335	ppbv	98
3) Chlorodifluoromethane	2.94	51	2048592	12.337	ppbv	99
4) Chloromethane	3.10	50	1210621	12.918	ppbv	98
5) Vinyl Chloride	3.21	62	1218595	12.155	ppbv	98
6) Bromomethane	3.44	94	778603	13.679	ppbv	99
7) Chloroethane	3.52	64	474551	13.381	ppbv	100
8) Dichlorotetrafluoroethane	3.15	85	2520523	10.894	ppbv	98
9) Propene	2.97	41	844904	13.590	ppbv	100
10) Heptane	8.14	43	2488757	15.410	ppbv	100
11) Trichlorofluoromethane	3.92	101	2950089	12.348	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	2106888	12.551	ppbv	98
13) Ethanol	3.57	45	215659	10.562	ppbv	95
14) Bromoethene	3.71	108	962091	13.954	ppbv	99
15) Acetone	3.82	43	2279654	11.183	ppbv	100
16) 1,3-Butadiene	3.29	39	1117826	14.314	ppbv	99
17) tert-Butyl alcohol	4.27	59	2511198	13.799	ppbv	99
18) 1,1-Dichloroethene	4.26	96	992120	13.333	ppbv	98
19) Isopropyl Alcohol	3.94	45	1661135	13.369	ppbv	100
20) Methylene Chloride	4.32	84	910755	10.221	ppbv	98
21) Allyl Chloride	4.39	41	1594311	13.433	ppbv	100
22) trans-1,2-Dichloroethene	4.87	96	960230	12.998	ppbv	95
23) Vinyl Acetate	5.06	43	3005548	13.793	ppbv	99
24) 1,1-Dichloroethane	5.00	63	2450315	12.950	ppbv	99
25) Ethyl Acetate	5.67	43	4249880	13.460	ppbv	99
26) Hexane	5.68	57	1947923	13.960	ppbv	99
27) Carbon Disulfide	4.53	76	2632610	13.566	ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	2910751	13.744	ppbv	100
29) Chloroform	5.75	83	3042119	12.977	ppbv	96
30) Cyclohexane	7.14	84	1644310	15.954	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1941069	14.802	ppbv	99
32) 1,1,1-Trichloroethane	6.52	97	3013181	12.855	ppbv	99
34) 2-Butanone	5.23	43	2627731	13.759	ppbv	100
35) Carbon Tetrachloride	7.03	117	3140333	13.425	ppbv	98
36) Benzene	6.90	78	3771960	14.539	ppbv	99
37) 1,2-Dichloroethane	6.31	62	2389333	13.640	ppbv	100
38) Trichloroethene	7.85	130	1576369	14.820	ppbv	96
39) 1,2-Dichloropropane	7.63	63	1508658	14.536	ppbv	96
40) 1,4-Dioxane	7.84	88	590227	14.267	ppbv	# 1
41) Tetrahydrofuran	6.04	42	1467450	15.439	ppbv	99
42) Bromodichloromethane	7.81	83	3310422	14.152	ppbv	100
43) Methyl Methacrylate	8.03	69	1813726	16.428	ppbv	99

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44) 2,2,4-Trimethylpentane	7.88	57	6440838	14.325	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	2054488	17.788	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	2391841	17.405	ppbv	99
47) 1,1,2-Trichloroethane	9.50	97	1676583	14.713	ppbv	96
48) Dibromochloromethane	10.34	129	2849985	15.392	ppbv	99
49) Bromoform	13.09	173	2607644	15.950	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	4161801	15.134	ppbv	99
51) 2-Hexanone	10.16	43	3418263	16.235	ppbv #	97
52) Tetrachloroethene	11.26	164	1424577	14.593	ppbv	94
53) Toluene	9.83	91	4492585	16.335	ppbv	98
54) 1,2-Dibromoethane	10.65	107	2549650	15.090	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.17	131	2158428	12.673	ppbv	98
57) Chlorobenzene	12.19	112	3558375	12.537	ppbv	98
58) Ethyl Benzene	12.75	91	6077426	14.335	ppbv	95
59) m/p-Xylene	13.03	91	10041115m	26.493	ppbv	
60) o-Xylene	13.73	91	5168603	13.668	ppbv	99
61) Styrene	13.57	104	3759763	16.100	ppbv	99
62) Isopropylbenzene	14.71	105	7397840	13.195	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.72	83	3771546	11.939	ppbv	99
64) n-propylbenzene	15.61	120	2107150	14.518	ppbv	88
65) tert-Butylbenzene	16.80	119	6654544	13.221	ppbv	99
66) Benzyl Chloride	17.04	91	2986286m	16.472	ppbv	
67) sec-Butylbenzene	17.34	105	9248837	12.616	ppbv	97
69) p-Isopropyltoluene	17.70	119	7858743	13.575	ppbv	97
70) n-Butylbenzene	18.60	91	8341122	13.586	ppbv	97
71) 2-Chlorotoluene	15.50	91	5954889	14.030	ppbv	99
72) 4-Ethyltoluene	15.89	105	6100780	14.272	ppbv	98
73) 1,3,5-Trimethylbenzene	16.04	105	5758523	14.001	ppbv	97
74) 1,2,4-Trimethylbenzene	16.82	105	5973640	13.079	ppbv	97
75) 1,3-Dichlorobenzene	17.05	146	3620239	12.469	ppbv	99
76) 1,4-Dichlorobenzene	17.19	146	3640361	13.507	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	3521848	13.448	ppbv	99
78) Hexachloro-1,3-Butadiene	23.43	225	2499723	12.183	ppbv	100
79) Naphthalene	22.27	128	5793985	19.082	ppbv	98
80) Naphthalene, 2-methyl-	25.02	142	2274146	31.437	ppbv	99
81) 1,2,4-Trichlorobenzene	22.00	180	3187612	16.638	ppbv	98

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

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