

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL013020\
 Data File : VL034574.D
 Acq On : 30 Jan 2020 15:57
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

MMDadoda
 1/31/2020 4:25:25 PM

Quant Time: Jan 30 17:14:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30 2020
 QLast Update : Thu Jan 30 14:46:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1182027	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2358987	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2642384	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2155139	9.77	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	3015161	16.175	ppbv	96
3) Chlorodifluoromethane	2.95	51	1812679	12.871	ppbv	97
4) Chloromethane	3.10	50	1127026	13.472	ppbv	100
5) Vinyl Chloride	3.22	62	1065400	13.005	ppbv	98
6) Bromomethane	3.44	94	566955	13.904	ppbv	100
7) Chloroethane	3.52	64	416844	14.602	ppbv	100
8) Dichlorotetrafluoroethane	3.15	85	2451697	13.113	ppbv	99
9) Propene	2.97	41	746678	13.752	ppbv	99
10) Heptane	8.14	43	2078675	14.824	ppbv	100
11) Trichlorofluoromethane	3.92	101	2874158	13.324	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1953867	14.240	ppbv	99
13) Ethanol	3.57	45	129498	8.596	ppbv	97
14) Bromoethene	3.71	108	812829	14.647	ppbv	99
15) Acetone	3.82	43	2042804	11.842	ppbv	98
16) 1,3-Butadiene	3.29	39	985899	14.860	ppbv	99
17) tert-Butyl alcohol	4.27	59	1327507	9.611	ppbv	99
18) 1,1-Dichloroethene	4.27	96	872626	14.600	ppbv	95
19) Isopropyl Alcohol	3.94	45	1033028	9.251	ppbv	99
20) Methylene Chloride	4.32	84	781682	11.516	ppbv	98
21) Allyl Chloride	4.39	41	1468008	14.806	ppbv	98
22) trans-1,2-Dichloroethene	4.87	96	899358	14.794	ppbv	98
23) Vinyl Acetate	5.06	43	2793548	14.027	ppbv	99
24) 1,1-Dichloroethane	5.00	63	2150176	13.439	ppbv	99
25) Ethyl Acetate	5.67	43	3690795	13.700	ppbv	99
26) Hexane	5.68	57	1616771	14.243	ppbv	97
27) Carbon Disulfide	4.53	76	2320921	16.175	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	2747888	14.494	ppbv	99
29) Chloroform	5.75	83	2674437	13.616	ppbv	98
30) Cyclohexane	7.13	84	1272053	15.076	ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	1741875	15.058	ppbv	100
32) 1,1,1-Trichloroethane	6.52	97	2803400	13.750	ppbv	99
34) 2-Butanone	5.23	43	2368773	14.052	ppbv	98
35) Carbon Tetrachloride	7.03	117	2986212	13.959	ppbv	97
36) Benzene	6.90	78	2998863	14.584	ppbv	98
37) 1,2-Dichloroethane	6.31	62	2377257	14.236	ppbv	100
38) Trichloroethene	7.85	130	1297582	15.621	ppbv	98
39) 1,2-Dichloropropane	7.63	63	1220993	14.440	ppbv	98
40) 1,4-Dioxane	7.84	88	397717	11.622	ppbv #	90
41) Tetrahydrofuran	6.04	42	1334914	15.437	ppbv	98
42) Bromodichloromethane	7.81	83	2981721	14.511	ppbv	95
43) Methyl Methacrylate	8.03	69	1323306	15.776	ppbv	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL013020\
 Data File : VL034574.D
 Acq On : 30 Jan 2020 15:57
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

MMDadoda
 1/31/2020 4:25:25 PM

Quant Time: Jan 30 17:14:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30 2020
 QLast Update : Thu Jan 30 14:46:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	5243583	13.785	ppbv	97
45) t-1,3-Dichloropropene	9.30	75	1893291	17.522	ppbv	94
46) cis-1,3-Dichloropropene	8.72	75	2068475	16.747	ppbv	98
47) 1,1,2-Trichloroethane	9.50	97	1350879	14.493	ppbv	98
48) Dibromochloromethane	10.33	129	2580963	15.973	ppbv	100
49) Bromoform	13.08	173	2357213	16.114	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	3553286	14.520	ppbv	97
51) 2-Hexanone	10.15	43	3022065	15.299	ppbv	99
52) Tetrachloroethene	11.25	164	1206812	15.038	ppbv	95
53) Toluene	9.83	91	3516540	15.565	ppbv	98
54) 1,2-Dibromoethane	10.64	107	2047443	15.095	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.16	131	1709652	13.403	ppbv	96
57) Chlorobenzene	12.18	112	2825091	12.959	ppbv #	96
58) Ethyl Benzene	12.74	91	4841034	13.585	ppbv	97
59) m/p-Xylene	13.03	91	8093766m	25.973	ppbv	
60) o-Xylene	13.73	91	4168438	13.331	ppbv	98
61) Styrene	13.56	104	3113286	14.562	ppbv	100
62) Isopropylbenzene	14.70	105	5310581	12.983	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.72	83	2929933	11.680	ppbv	99
64) n-propylbenzene	15.60	120	1464993	14.026	ppbv	87
65) tert-Butylbenzene	16.79	119	4811330	13.020	ppbv	99
66) Benzyl Chloride	17.03	91	2498973	15.430	ppbv	99
67) sec-Butylbenzene	17.34	105	6389028	12.311	ppbv	98
69) p-Isopropyltoluene	17.70	119	5348385	12.707	ppbv	97
70) n-Butylbenzene	18.60	91	5618250	12.371	ppbv	98
71) 2-Chlorotoluene	15.49	91	4173804	13.140	ppbv	97
72) 4-Ethyltoluene	15.88	105	4705254	13.447	ppbv	98
73) 1,3,5-Trimethylbenzene	16.04	105	4495109	13.094	ppbv	91
74) 1,2,4-Trimethylbenzene	16.81	105	4667506	12.710	ppbv	97
75) 1,3-Dichlorobenzene	17.04	146	2698035	12.266	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	2669599	12.606	ppbv	98
77) 1,2-Dichlorobenzene	17.87	146	2572704	12.446	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	2385012	12.155	ppbv	100
79) Naphthalene	22.27	128	4128962	14.927	ppbv	97
80) Naphthalene, 2-methyl-	25.02	142	2103684	27.455	ppbv #	93
81) 1,2,4-Trichlorobenzene	21.99	180	2496508	13.862	ppbv	100

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL013020\
Data File : VL034574.D
Acq On : 30 Jan 2020 15:57
Operator : SY/AP
Sample : VSTDIC015
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Manual Integrations
APPROVED

MMDadoda
1/31/2020 4:25:25 PM

Quant Time: Jan 30 17:14:31 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan
QLast Update : Thu Jan 30 14:46:59 2020
Response via : Initial Calibration

